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LIVINGSTON'S

SEED ANNUAL

1932
82nd YEAR



POMPON ZINNIAS

CHARMING DWARF VARIETY

A profusion of brilliant colors in small and very double flowers.

GROW THEM

Along Your Walks or Driveway
Against Green Shrubbery for Color
For Cutting for Home Decoration
Separate Colors (Illustrated)

See page 34

ALL COLORS MIXED

Packet 10cts.; $\frac{1}{8}$ ounce 20cts.
 $\frac{1}{4}$ ounce 30cts.

THE LIVINGSTON SEED CO.

Famous For Best Seeds Since 1850

32-36 EAST SPRING ST... COLUMBUS, OHIO



HAVE A CHARMING OUT-DOOR LIVING ROOM LIKE THIS

Choice Flower Seed Collections

Collection of Dahlia-flowered Zinnias **\$1.00**

Exquisite
Polar Bear
Crimson Monarch
Purple Prince

Oriole
Scarlet Flame
Dream

If purchased separately this collection would cost \$1.40

Livingston's Cut-Flower Collection of Choice Annuals **40c**

Asters, Crego, Mixed
Antirrhinum, Mixed
Zinnia, Dahlia-flowered,
Mixed

Larkspur, Tall, Mixed
Scabiosa, Large-flowered,
Mixed

If purchased separately this collection would cost 50 cts.

Collection of Perennial Flower Seeds **50c**

Aquilegia, Mixed
Campanula, Prize Mixed
Coreopsis, lanceolata
Daisy, Shasta

Digitalis monstrosa
Pinks, Hardy Garden
Poppy, Large Oriental
Sweet William, Mixed

If purchased separately this collection would cost 80 cts.

Collection of Giant-flowered Antirrhinums **85c**

Copper King
Snowflake
Canary Bird
The Rose

Old-Gold
Purple King
Ruby

The above Collection is fully described on page 10

If purchased separately this collection would cost \$1.05

Livingston's Special Collection of Spencer Sweet Peas **50c**

Asta Ohn
Mary Pickford
Royal Purple
Campfire

Mrs. Tom Jones
King White
George Shawyer

The above Collection is fully described on page 31

If purchased separately this collection would cost 80 cts.

Livingston's Rainbow Collection of Choice Annual Flowers **75c**

Asters, Mixed
Bachelor's Buttons, Mixed
Candytuft, Mixed
Cosmos, Mixed
Dianthus, Mixed
Marigold, Mixed
Mignonette, Sweet
Nasturtium, Mixed
Pansy, Mixed

Petunia, Mixed
Phlox, Mixed
Poppies, Mixed
Portulaca, Mixed
Scabiosa, Mixed
Sweet Alyssum
Antirrhinum, Mixed
Sweet Peas, Mixed
Zinnia, Mixed

If purchased separately this collection would cost \$1.85

Livingston's Collection of Mammoth Verbenas **50c**

Mammoth Defiance
Mammoth Blue Varieties
Mammoth Striped Varieties

Mammoth Pink Shades
Mammoth Pure White
Mammoth Purple

The above Collection is fully described on page 33

If purchased separately this collection would cost 60 cts.

Exhibition Aster Collection **50c**

Semple's, Mixed
Ostrich Plume, Mixed
Crego, Mixed
Sensation

Peony-flowered, Mixed
Livingston's Superb, Mixed
King, Mixed

If purchased separately this collection would cost 75 cts.

Bright Array Collection **50c**

Alyssum, Sweet
Aster, Mixed
Candytuft, Mixed
Nasturtium, Mixed

Pansy, Mixed
Phlox, Mixed
Sweet Peas, Mixed
Zinnia, Mixed

If purchased separately this collection would cost 75 cts.

Collection of Large-flowering Scabiosa **75c**

Azure Fairy
Snowball
Flesh
Cherry-Red
Shasta

Fiery Red
Golden Yellow
Lilac
Black Prince

If purchased separately this collection would cost 95 cts.

Columbus, Ohio

Date Rec'd

Gathered by

Checked by

! Wrapped by

Date sent _____ P.

M.G.

D.

F.S.

R.

We, THE LIVINGSTON SEED COMPANY, give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop.

We Pay Transportation on All Seed quoted in this Catalog. Shipments will be made free of all transportation and packing charges by prepaid mail, express or freight (your option), to any point in the United States proper. This does not include other items quoted "F.O.B." Columbus or "not paid."

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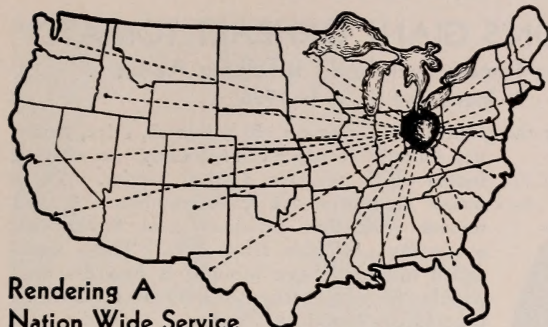
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1850

The Livingston Seed Co.

1932

Three Generations of Satisfactory Seed Service



Rendering A Nation Wide Service

In practically every gardening community throughout this Nation, Livingston's "True Blue" flower and vegetable seeds are used. Since 1850, when our Grandfather, Mr. Alexander W. Livingston, started this business, it has grown steadily. When, in 1870, he introduced the first modern Tomato (The Paragon), a nation-wide supremacy was attained which has never been surpassed. Thru these many years thousands and thousands of voluntary testimonials have come from enthusiastic users of "True Blue" seed living in practically every county of this Country. There never was a time when good seed was so much appreciated as now.

FREE TRANSPORTATION IN UNITED STATES

All seed quoted in this Catalog will be shipped by Parcel Post, Express, or Freight, our option, transportation and packing charges paid by us, to any point in the United States proper, regardless of amount or distance. The quoted price is the delivered price—no worry or bother figuring postage and other charges. Transportation charges cannot be claimed as a discount on seed purchased at our retail store.

QUICK SERVICE THAT WILL PLEASE YOU

All day and night, trains, planes and buses are leaving Columbus to all points in the United States. Practically every one carries Livingston's "True Blue" Seeds to thousands of homes throughout our Country. Being located next door to the Parcel Post and Express Stations, we are in a position to give you "Quick, Courteous Service."

FIRST-GRADE STOCKS OF HIGHEST QUALITY

The Critical Market Gardener demands the highest quality. They like "True Blue" seed. You buy this same quality for your own garden. There is only one grade of "True Blue" Seed. Buy these seeds with that extra vitality which makes your gardening success outstanding in your neighborhood.

Gardening is Our Business! Why Not Make It Your Hobby?

Where can one find so interesting a hobby as gardening, whether it be with Flowers or Vegetables? How can we otherwise keep in close touch with good old Mother Nature, who is ever unfolding new creations from little seeds for our admiration and pleasure. Here is a hobby in which you can spend as little or as great amount of your spare time as you choose. You may select the easily and more commonly grown flowers and vegetables or you may try your skill with newer and more rare introductions which have been developed thru years of study and breeding.

The trend of the times is toward the gay eighteen Eighties. The trend is back to gardening, so old that it is again new-fashioned. You can really get a new thrill in gardening this year. You will derive much pleasure, some saving and incidentally make your home surroundings the admiration of your community. Get in closer touch with nature and get a new thrill every day.

OUR NEW 1932 CATALOG

Presenting a New and Easy Way to Order by Mail

In this, our 82nd year, we present you the same good old seed catalog in a new and up-to-date dress. Yes, there are some changes, which we hope will tend to make it a pleasure for you to turn these pages, and easy to buy by mail.

We have increased the type size so that it may be easy to read and to find what you want. We pay all the transportation on seed, so that you may not be bothered figuring postage. This at no increase in price, too, thereby meaning a saving to you.

Throughout this catalog, you will find new garden novelties of merit. You will also find some new and illustrated gardening ideas, presented thru the courtesy of friends and customers. Another year we hope to be able to offer many more. Send us a snapshot of your garden. We'll be glad to know of your success and, if at all possible, to pass it on to help others.

We strive to add that human interest and personal touch that will bring us close together, though we be many miles apart. We trust that your desire in having, and our pleasure in sending, this catalog will be mutually beneficial.

Important Ordering Suggestions

FREE TRANSPORTATION ON ALL SEED ANYWHERE IN THE UNITED STATES PROPER

All seeds quoted in this Catalogue are now shipped by Parcel Post, Express, or Freight (our option), all transportation and packing charges paid by us. The only items on which you must figure or pay transportation are those marked "F. O. B. Columbus" or "Not prepaid," and these are few.

AN ORDER BLANK AND ENVELOPE are inclosed with this Catalogue for your convenience. Additional Order Blanks and Envelopes will be sent on request. Print or write your Name, Post Office, County, and State plainly. If you have moved, give us your old address and we will change our mailing-list.

SEND MONEY. Remittance should always accompany the order. Remittances may be made at our risk by any of the following methods (1st and best) **Post Office Order**; (2d) **Bank Draft**; (3d) **Express Company Money Order**; (4th) **Cash by Express in amounts not less than \$5**; (5th) **Registered Letters.** We also accept stamps in payment but the Postal Department asks us to discourage their use.

SHIPPING ORDERS. When goods are to be shipped by Freight or Express, give plain shipping directions; otherwise we use our best judgment in routing. Goods on which we pay transportation are shipped at our option.

NON-WARRANTY. There are contingencies continually arising to prevent the very best seeds always giving satisfaction. For these reasons, it is impossible to guarantee seeds under all circumstances; therefore we, The Livingston Seed Company, give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop. We test all our seeds before sending them to our customers, and should they fail to grow if properly tested by the customer, will replace the same amount or give value in others.

PARCEL POST RATES. Where you must remit postage, ask your postman what zone you are in from Columbus, and you can then figure the necessary postage. First figure is the cost of the first pound, second figure is the cost of each additional pound.

1st & 2nd	3rd	4th	5th	6th	7th	8th
Zone	Zone	Zone	Zone	Zone	Zone	Zone
.07 & .01	.08 & .02	.08 & .04	.09 & .06	.10 & .08	.12 & .10	.13 & .12

Vegetable Novelties and Specialties

The Best Varieties for Home-Gardens

LIVINGSTON'S GIANT OXHEART TOMATO

The Big Tomato Everybody is Talking About

Introduced by us in 1926

Oxheart is truly the giant of all tomatoes. It is smooth, thick, tender and almost seedless; frequently showing 2 inches thick without a seed cavity. Three pound specimens are quite common. A pink tomato with that delicious mild flavor that every lover of this fruit likes. These unexcelled qualities have brought it into deserved popularity with backyard gardeners. Pkt. 20 cts.; 40 cts. $\frac{1}{2}$ oz.; oz. 75 cts.



Oxheart Tomato

LIVINGSTON'S NEW YELLOW OXHEART TOMATO

Introduced by us in 1929

A new variety of our Oxheart-type tomato. It has the same shape and other qualities as the original pink variety above, but the skin and flesh are a rich shade of yellow. Ideal to grow and serve mixed with the above pink Oxheart. Try it. Pkt. 20 cts.; 35 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. 50 cts.; 90 cts. oz.

SCARLET GLOBE RADISH

Most popular of all round red early Radishes for the home gardener. Fully described and illustrated on page 65. Pkt. 10 cts.; 25 cts. $\frac{1}{4}$ lb.; lb. 90 cts.

THE NEW BREAK-O-DAY TOMATO

A new Pritchard Hybrid having disease resistant qualities. It is very early, being next to Earliana. The fruits are a beautiful scarlet, almost round, solid and very meaty. Break-O-Day will become very popular with home-gardeners. (Illustrated on page 69.) Pkt. 20 cts.; 35 cts. $\frac{1}{2}$ oz.; oz. 65 cts.; \$2.25, $\frac{1}{4}$ lb.

JAPANESE SHOGGIN TURNIP

The best combination variety for both bulbous roots and tops for "greens." Roots are globe shaped and white. Leaves are large, thick and juicy. Try this new Turnip. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 70 cts. lb.

LIVINGSTON'S COLORITE CUCUMBER

A White Spine type. Its rich, dark green color extends well down to the blossom end. It is straight and cylindrical, with medium blunt ends. The length is about 10 inches. (See illustration on page 48.) Excellent for home use. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

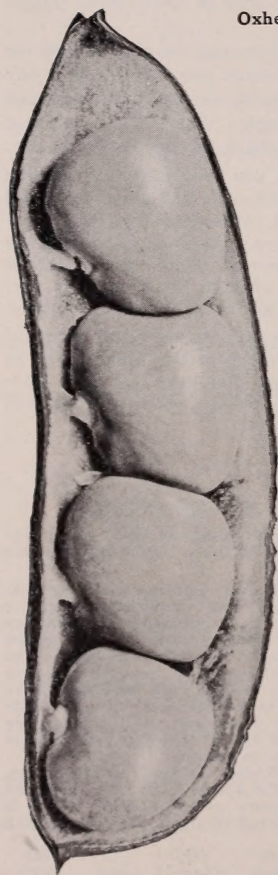
LAXTON'S PROGRESS DWARF PEA

A large-podded dwarf variety, coming into bearing about 4 days ahead of all others in this class, and growing about 18 inches high. Pods are 4 inches long and contain 8 large dark green Peas of delicious, sweet flavor. A favorite with home-gardeners. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; \$1.10, 5 lbs.; 10 lbs. \$2.10; \$5, 25 lbs.

FORDHOOK BUSH LIMA BEAN

Best Variety for the Home-Garden

Outsells all other Bush Limas. Erect bushes, branching free and bearing tremendous crops quite early. The beans are very fat and closely packed in easily shelled pods. Pods are borne in clusters of from four to six and usually contain four beans. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 45 cts.; \$1.35, 5 lbs.; 10 lbs. \$2.60; \$6.25, 25 lbs.



Fordhook Lima Bean



Laxton's Progress Pea

Flower Novelties and Specialties

The Best Recent Introductions



New Golden Gleam Nasturtium

BODGER'S

New Sweet-Scented Nasturtium

GOLDEN GLEAM

4100 This new Nasturtium is the most talked of novelty of the season. Plant is vigorous, bushy, 24 inches high. The flowers, when fully in bloom, cover the entire plant with a blaze of color. They come semi-double, are borne on stiff long stems and are very fragrant. Start early for best results. For attractive show in your outdoor living room or for bouquets for indoors, you will find them unexcelled. Give this new one a trial this year. Pkt. 25c; 35c $\frac{1}{4}$ oz.; oz. \$1.

ANTIRRHINUM--GENEVA YELLOW

3078 This is our own introduction, being offered for the first time in 1931. It is a distinct improvement over Canary Bird. A pure canary-yellow with golden yellow throat. Large, bold flowers set on long stout stems. Pkt. 50c; \$2 for 5 pkts.

SWISS GIANT PANSY

5020 Of recent introduction, coming direct from Switzerland. A mammoth new strain, often measuring $3\frac{1}{2}$ inches across. Well shaped flowers, thick velvety petals, with a wide range of colorings and markings. Outstanding features are size, long stiff stems and retention of size almost through the whole season. (See illustration, page 25.) Pkt. 35 cts.; \$1, $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.75.

Wrexham (Hollyhock Strain) Delphinium

The Greatest Advance Yet Made in This Class

3616 Enormous spire-shaped spikes of bloom, beautiful in form and colors. Both double and single blooms, some are fully 3 inches in diameter. Excellent for bedding as well as cutting. Pkt. 35 cts.; 75 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.35.

ASTER-PEERLESS YELLOW

3294 Midway between Cregos and Late Branching varieties. A beautiful yellow flower, very full and ball-shaped, with centers covered with curled and twisted florets. A vigorous, branching type. Considered the best yellow ever introduced. Pkt. 20 cts.

NEW GIANT OF CALIFORNIA SUNSHINE ASTER

3320 A most attractive new type. Strong, sturdy plants on long flower-stalks. Beautiful flowers with twisted and quilled petals and a cushion center of tiny quills. (See illustration, page 8.) Pkt. 20 cts.; 75 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.35.

DIANTHUS-ALWOODII

3622 Very hardy, blooming from early spring until late fall. Flowers come in every color except yellow. Many are double. 25 seeds 30 cts.; 50 cts. for 50 seeds; 100 seeds 85 cts.

A New Gaillardia THE DAZZLER

3698 A reselected strain of this giant-flowered type. It stands as the most popular and best selling variety. The large, rich dark red flower with its bright orange tips is most attractive. It is a very vigorous grower. Perennial. Be sure and try "The Dazzler" this year. Pkt. 20 cts.; 40 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 65 cts.

African Marigold NEW ORANGE ALLDOUBLE

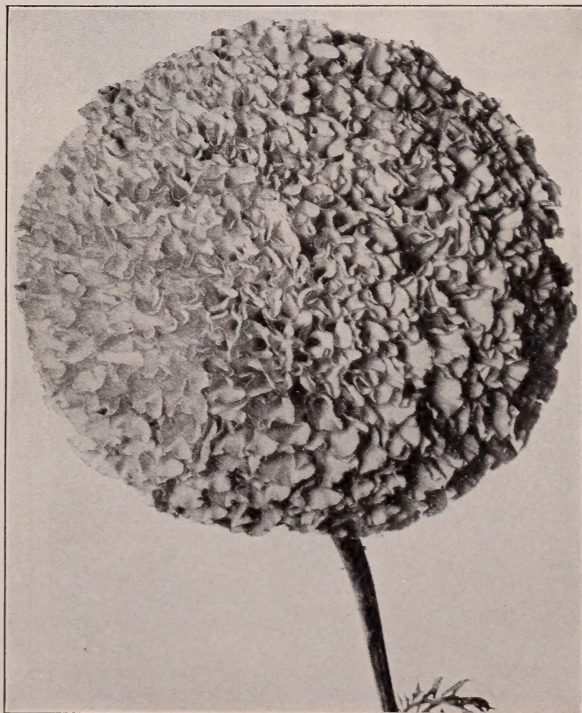
3936 A new development in Marigolds. So called because such a large percent come double. A beautiful large, orange flower. We are pleased to offer you this new African strain and are sure you will be enthusiastic about it. Pkt. 20 cts.; 45 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 85 cts.

PETUNIA--LIVINGSTON'S ELITE MIXTURE

5050 By popular demand we have prepared this fine mixture. It contains a combination of the deep-throated and the beautifully fringed and ruffled varieties of many colors and markings. A truly wonderful mixture. Pkt. 25 cts.; \$1, $\frac{1}{64}$ oz.

SCABIOSA--ISAAC HOUSE STRAIN

6138 A vigorous, strong grower. Large flowers, all ruffled and frilled, on long stems. An improvement over Caucasica. Pkt. 20c; 40c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 75c.



New Orange Alldouble Marigold

Silver Cup Presented by The Livingston Seed Co.

For the
Champion County Exhibit by
4-H Club Boys and Girls

at the 1931

National Vegetable Growers Convention

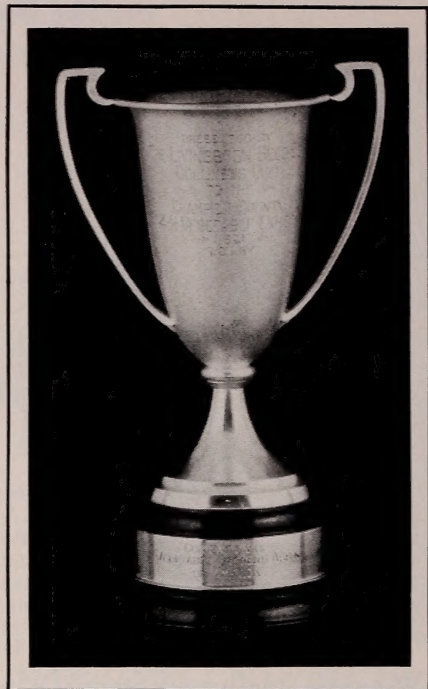
WON BY

4-H Club, Genesee County, New York

Last August, 1931, when the National Vegetable Growers' Association held their Convention at Cincinnati, Ohio, they sponsored a vegetable exhibit, participated in by the 4-H Boys' and Girls' County Clubs. It was a fine display and a fine incentive for all garden minded boys and girls. We offered this Silver Cup to the first prize winners.

Congratulations, 4-H Clubbers of Genesee County, New York. You had a fine display and we were happy to see you win this cup.

Next year we will offer another similar cup and hope to see a large number of Counties competing.



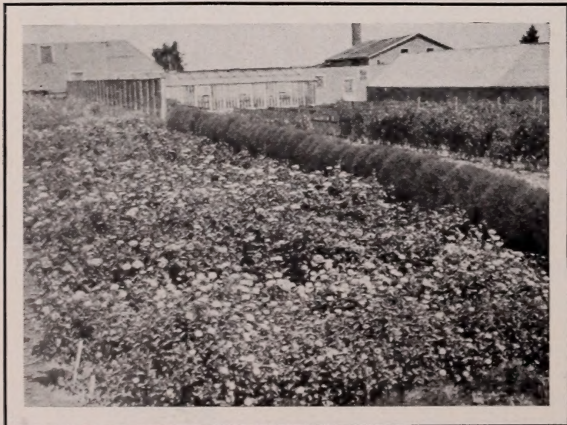
Livingston's "True Blue" Seal

The Sign of
Highest Quality
in
TOMATO SEED



This U. S. registered Trade Mark Seal is used on all packages containing tomato seed of our own introduction and growing.

Since 1870, when we introduced to the world the first modern Tomato, The Paragon, we have introduced more than 30 varieties. Some of them, such as Globe and Stone, are known and grown the world over. All tomato seed sold under our seal is grown and carefully selected by us. Insist on Livingston's Tomato Seed in bags put up under this "True Blue" Seal.



Our 1931 Trials of Zinnias

Special Collections

For the Boys and Girls

BOYS VEGETABLE COLLECTION

This List will make you a fine garden

- 1 Packet Full Measure Green-podded Bean.
- 1 Packet Early Wonder Beet.
- 1 Packet Golden Acre Cabbage.
- 1 Packet Golden Bantam Corn.
- 1 Packet Black-seeded Simpson Lettuce.
- 1 Packet Cincinnati Market Radish.
- 1 Packet Purple Top White Globe Turnip.
- 1 Packet Livingston's Globe Tomato.

A 75 ct. Value for 50 cts. Postpaid

GIRLS FLOWER COLLECTION

Have a Beautiful Flower Garden With These

- Calendula, Fine Double Mixed.
- Eschscholtzia, Finest Double Mixed. Many colors.
- Larkspur, Tall Stock-flowered. All colors mixed.
- Petunia, Finest Mixed. Bedding varieties.
- Marigold, Mammoth Tall, Mixed. African sorts.
- Phlox, Drummondii, Mixed. Makes fine display.
- Poppy, Livingston's Giant Double Mixed.
- Zinnia, Double Pompon, Mixed. Beautiful dwarf variety.

An 80 ct. Value for 50 cts. Postpaid

Children's Flower-Garden Mixture

- 6490 Extra-Choice Mixture. Especially adapted for producing a display in large borders, or sowing along woodland walks, railroad embankments, for hiding an unsightly fence, stump, etc. Nothing delights children more than this Wild Garden, chiefly because they can be allowed to pick their own bouquets without stint. Pkt. 10 cts.; 30 cts. oz.; 1/4 lb. 75 cts.

Rock Gardening

5



A NEW GARDEN HOBBY WITH A MAGNITUDE OF POSSIBILITIES

Here is a new and inexpensive means of adding that touch of nature to your garden. Done in the correct proportions, it creates a most pleasing effect and adds greatly to the appealing atmosphere of your home.

If you have a terrace, rock-wall, or flat open space, you have a place to begin. These three types of Rock-Gardens, illustrated below, are those commonly constructed. One of them will fit in with most any situation or condition which exists in your surroundings.

Our whole country is entering an era of beauty, and Rock-Gardening certainly is the answer to "How can I add that appealing atmosphere to my home grounds?" Buy some rocks, or gather them yourself, and make a start this spring. We furnish, upon request, a very instructive leaflet "Rock-Gardening," which outlines in detail how to build the three types below.

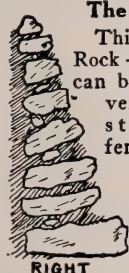
The collections offered below are fine to begin with and will create a very pleasing effect.

Rock-Garden Collection No. 1--Fine for the Beginner

- | | |
|--|--|
| 3034 <i>Alyssum saxatile</i> . Golden yellow, 9 inches. | 3806 <i>Heuchera sanguinea</i> . Small, bright red blooms. |
| 3102 <i>Aquilegia, Caerulea</i> . Blue, 12 inches. | 3896 <i>Linum perenne</i> . Blue flowers, fine foliage, 18 inches. |
| 3110 <i>Arenaria montana</i> . White, 6 inches. | 6065 <i>Primula veris</i> . Mixed colors, 9 inches. |
| 3414 <i>Candytuft gibraltaria</i> . Pinkish white, 6 to 10 inches. | 6157 <i>Saxifraga</i> . Mossy varieties. |
| 3628 <i>Dianthus</i> (Cheddar Pink). Rose-pink, 8 to 12 inches. | 6310 <i>Tunica saxifraga</i> . Light pink flowers, 6 inches. |
| 3760 <i>Gypsophila repens</i> . White and pink trailer. | 6380 <i>Violet</i> , sweet-scented. Beautiful blue. |

THE ABOVE SUGGESTED LIST, AMOUNTING TO \$1.45, SENT FOR \$1 POSTPAID

THE MOST POPULAR TYPES OF ROCK-GARDENS



The WALL Type

This is the type of Rock-Garden that can be built along a very steep bank, stone wall or fence. The illustration at your left shows the wrong and right way to slope the rocks.

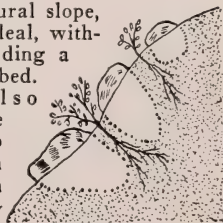
The ALPINE Type

This type can be built in any yard, regardless of how level it may be.



The CLIFF Type

Where you have a ravine or natural slope, this type is ideal, without even building a drainage bed. You can also build this type by heaping up earth from an excavation which may form a pool.



Annual Collection for Color the First Year

- | | |
|-----------------------------------|--------------------------------------|
| 3018 <i>Ageratum</i> , Mixed | 6052 <i>Portulaca</i> , Mixed |
| 3032 <i>Alyssum</i> , Little Gem | 6110 <i>Sanvitalia</i> , Procrembers |
| 3682 <i>Eschscholtzia</i> , Mixed | 6000 <i>Phlox</i> , Mixed |

VALUE 65 CTS. — COLLECTION 50 CTS., POSTPAID

Rock Garden Collection No. 2

- | | |
|-----------------------------------|------------------------------------|
| 3108 <i>Arabis</i> , Alpina | 3568 <i>Crucianella</i> , Stylosa |
| 3376 <i>Calamintha</i> , Alpina | 6079 <i>Ranunculus</i> , Asiaticus |
| 3512 <i>Cherianthus</i> , Allioni | 6112 <i>Saponaria</i> , Ocymoides |

VALUE \$1.05—COLLECTION 75 CTS., POSTPAID

OUR NEW ROCK-GARDEN

(as yet not named)

Out back of our farm residence and adjacent to the greenhouses, we had an unused plot of ground. It was low and rather unsightly. Last spring we conceived the idea of converting it into a rock garden. Certainly there could be no better way to transform this unsightly spot into a thing of beauty.

To do this, an old Catalpa tree, which stood where the pool is located, had to be sacrificed. After building a drainage bed, we began excavating for the pool, using this dirt as subsoil for the mound in the rear. The mound was topped with several loads of good garden dirt and the rocks, mostly "Tufa," were placed as you see them. Since we had to get fresh water to the pool, we decided to do this by use of a small brook supplied with piped water from the green house. At the upper, far end of the brook, we built a small trickling waterfall, giving the layout another naturalistic touch. With stepping stones and a small bridge we were able to leave the old path thru this plot remain almost intact. The planting was done last fall and next year we hope to show you this rock garden again as a thing of beauty.



Our New Rock-Garden—Can you suggest a name for it?

Livingston's "True Blue" Flower Seeds

Delivered Free Anywhere in United States

The following twenty-nine pages are devoted to Livingston's "True Blue" Flower Seed. You will find it a very comprehensive list. Many new varieties have been added this year to give you a larger and still better selection to choose from. You will enjoy growing flowers from "True Blue" seed. Every variety listed is of real merit and will give you satisfaction, without a doubt. Cultural directions are given through the following pages and are printed on most packages. Our leaflet "Success" with Flower Seed," (listed below) is very instructive and may be of value to you in succeeding with your Flower Garden.

ANNUALS bloom and ripen their seed the first year, then die.

Among these are Asters, Balsams, Mignonette, Sweet Peas, Nasturtiums, Morning Glories, and many other very brilliant and fragrant sorts.

BIENNIALS from seed generally bloom the second year, then die. Some varieties, if planted early, bloom the first season and therefore are treated as annuals.

PERENNIALS endure northern winters with little or no protection and live and bloom several years. Most of the perennials will bloom the first year if started early in the spring. Hollyhocks, Columbines, Larkspurs, Foxgloves, Poppies, etc., are in this class.

With the use of the symbols at your left, we are indicating under what heading each class of flowers come.

KEY TO SYMBOLS

- × Annuals. Bloom first year and die.
- + Biennials. Generally bloom second year, then die. Some, planted early, bloom same year.
- # Perennials. Endure winters. Live and bloom several seasons.
- Rock-Plants. Usually Perennials of dwarf growth.
- ÷ House Plants.
- = Climbing Plants.

Flowers Best Adapted to Various Situations

ANNUALS for Partial Shade

Alyssum
Antirrhinum
Centaurea
Eschscholtzia
Godetia
Lupine
Myosotis
Nicotiana
Pansy
Petunia
Schizanthus

ANNUALS for Sun

Ageratum
Cosmos
Eschscholtzia
Geranium
Kochia
Morning Glories
Phlox (Annual)
Nasturtium
Vinca
Zinnia

ANNUALS for Cutting

Antirrhinum
Arctotis
Asters

Calendula
Centaurea
Cosmos
Dianthus
Gaillardia
Gypsophila
Larkspur
Marigolds
Nasturtiums
Pansy
Phlox
Poppies
Salpiglossis
Scabiosa
Sweet Peas
Verbena
Zinnia

PERENNIALS for Partial Shade

Anemone
Aquilegia
Coreopsis
Daisy
Digitalis
Delphinium
Gaillardia
Heuchera
Myosotis
Poppies
Primrose
Saxifraga
Valeriana

Veronica Viola Violet ROCK GARDEN PERENNIALS

Alyssum
Anemone
Aquilegia
Arabis
Arenaria
Aubrietia
Carnation
Calamintha
Campanula
Candytuft
Cerastium
Cheranthus
Crucianella
Daisy
Dianthus
Gypsophila
Helianthemum
Heuchera
Linum
Lychnis
Myosotis
Primula
Pyrethrum
Ranunculus
Saponaria
Saxifraga
Scabiosa
Silene

Tunica
Veronica
Viola
Violet

Note: All rock-garden varieties are marked ○.

EDGING AND BORDER PLANTS

Ageratum ×
Alyssum ×
Arabis #
Arenaria #
Aubrietia #
Candytuft ×
Centaurea ×
Cineraria #
Dianthus × #
Lobelia ×
Marigolds ×
Myosotis #
Nasturtium ×
Pansy ×
Petunia ×
Phlox ×
Portulaca ×
Viola #
Violet #

FOR PORCH BOXES AND HANGING BASKETS

Asparagus
Ageratum
Alyssum
Centaurea
Lobelia
Nasturtium
Petunia
Portulaca
Thunbergia

CLIMBING PLANTS

Balsam Apple
and Pear
Cardinal Climber
Cypress Vine
Dolichos
Humulus
Kenilworth Ivy
Kudzu Vine
Moonflower
Morning Glories
Nasturtium
Sweet Peas
Scarlet Runner
Bean
Thunbergia

All varieties mentioned above are listed in the flower section.

Useful Garden Accessories for Garden Lovers

Throughout this catalogue you will find listed various Garden Accessories in which you may be interested. Practical and useful items at reasonable prices. Garden Gloves, below, is one of the leaders.



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Eezy Wear
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ALL LEATHER — SOFT AS
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These leaflets will help you to better succeed with growing flowers. Any of them will be sent promptly and gladly. Just add them to your order or make separate request.

Success with Flower Seed
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Growing Perennials
Growing Seedlings
Gladiolus Culture
How to Grow Asters
How to Grow Geraniums
How to Grow Pansies
How to Grow Primulas
How to Succeed with Sweet Peas
Rock Gardening
Spraying and Dusting Calendar
Various leaflets on Insecticides and
Fungicides listed on page 78
How to make a Better Lawn



Improved Giants of California

Giants of California. Improved. This remarkable Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type of Aster, stands at the head of the list. The introducer says: "It has not only received favorable mention by the Royal Horticultural Society of Great Britain, but has been awarded prizes whenever exhibited in flower shows in various parts of the world." We offer this remarkable New Aster in separate colors and mixture.

	Pkt.	1/8oz.
3130 White. Very large	\$0 15	\$0 60
3132 Light Blue. Very delicate	15	60
3134 Deep Rose. Rich shade	15	60
3136 Dark Purple. Very distinct	15	60

Collection: One pkt. each above 4 colors, 50 cts.

3140 Mixed. Above and others. Pkt. 15c.; 50c 1/8oz.

Astermum. A strain of Comet Asters which closely resemble a Japanese chrysanthemum.

3316 Mixed. This mixture is well blended with all the colors in Asteriums. Pkt. 10 cts.; 35 cts. 1/8oz.

King. The habit of growth of this Aster is similar to the branching type, growing vigorously about 2 1/2 feet high; has long, stiff stem. In form the flower is entirely new and distinct from any other variety; round, full and very large, many of the flowers measuring from 4 to 5 inches in diameter. Petals somewhat resemble the quilled varieties, but are much longer and broader.

	Pkt.	1/8oz.
3210 White. A recent introduction	\$0 10	\$0 35
3212 Pink. Blush-pink	10	35
3216 Violet. Soft violet-purple	10	35
3214 Rose. Brilliant rose	10	35

Collection: King Asters, 1 pkt. each above 4 colors, 30c

3218 Mixed. Above colors..... 10 30

THERE are few flowers that make a better show in the fall than Asters. They are, perhaps, the most popular annual flower grown, and justly so on account of their ease of culture, season of bloom, and lasting qualities, both in the garden and as cut-flowers. To be able to cut Asters abundantly and over the longest possible period, you should make several sowings of the early-midseason and late-flowering types. Sow the seed in shallow boxes in the house or in the hotbed in March; transplant the seedlings 2 inches apart in boxes, when they are large enough to handle; and plant to permanent beds in May. The second sowing can be made in the coldframe the latter part of April. The third sowing should be made the latter part of May. Set the plants of early varieties 10 inches apart in the row, and those of the later varieties 15 to 18 inches apart. The richer the ground the better your flowers will be, and water is very necessary. In the following list you will find not only the standard varieties of merit, but many of the newer sorts which are sure to please. We know that you cannot buy better seed, as our stocks are all grown for us by Aster specialists.

Royal. One of the best early-flowering sorts. It is quite similar in type of flower to the Late Branching, but will come into bloom only about a week later than Queen of the Market.

3324 Mixed. This mixture is well blended. Pkt. 10 cts.; 35 cts. 1/8oz.

Crego Asters. The Crego Aster blooms just ahead of the Late Branching Asters, and being of Comet type, affords variety in the garden.

3230 White.	3234 Lavender
3231 Crimson	3235 Dark Violet
3232 Pink	3236 Purple
3233 Azure Blue	3237 Rose Pink

Price, any one above, Packet 10 cts.; 35 cts. 1/8oz.

Collection: Crego Asters, 1 pkt. each above 8 colors, 60 cts.

3240 Mixed. All colors. Pkt. 10 cts.; 30 cts. 1/8oz.

Queen of the Market. About two to three weeks earlier than most other Asters. They bloom profusely and are of graceful habit. Their shape is very similar to Sample's Giant Branching Aster. The perfect flowers are borne on long stems and in great variety of colors, making them extremely useful for cutting. Height, 1 1/2 feet.

3190 White, Pure	3196 Dark Blue
3192 Pink	3198 Crimson
3194 Light Blue	3200 Scarlet

Price, any one above, Packet 10 cts.; 30 cts. 1/8oz.

Collection: 6 separate colors, 50 cts.

3202 Mixed. All colors in finest mixture. Pkt. 10 cts.; 30 cts. 1/8oz.

3296 **Sensation.** The darkest red of all Asters. The plant averages about 1 1/2 ft. high and is of the true branching type. Stems are long and stiff, making it ideal for cutting. The flower is very double and averages about 3 inches in diameter. On account of the deep, velvety red color it is exceptionally fine for either bedding or border. Pkt. 10 cts.; 45 cts. 1/8oz.

Livingston's Asters---Continued



American Beauty Asters

American Beauty. The plants are of very strong, vigorous growth, from 2 to 3 feet high. The large flowers, of Semple type, borne on long, stiff stems, bloom in early September and last until frost.

3170 **White.** 3172 **September Beauty.** Flesh-pink
3174 **Carmin-Rose.** 3176 **Lavender.** 3178 **Purple**

Any one above, Pkt. 10 cts.; 40 cts. $\frac{1}{8}$ oz.

Collection: One pkt. each above 5 colors, 40 cts.

3180 **Mixed.** All colors. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.

3300 **Truffaut's Peony-Flowered.** **Mixed Colors.**

The improved strains of this grand Aster are considered the finest in cultivation. The large, perfectly double flowers are fine. Height 2 ft. Fine assortment. Pkt. 12 cts.; 35 cts. $\frac{1}{8}$ oz.

Daybreak. A distinct American class. The plants are erect in habit of growth and attain a height of 18 to 20 inches. The flowers (about $2\frac{1}{2}$ inches in diameter) are ball-like in form, with incurved petals.

3308 **Mixed.** Pkt. 10 cts.; 50 cts. $\frac{1}{8}$ oz.

New Giant of California Sunshine Asters.

A most attractive new type with strong, sturdy plants that throw up long flower-stalks, making wonderful cut-flowers. The large, beautiful flowers have twisted and quilled petals with a cushion center of tiny quills of a contrasting color which makes the flower appear to be covered with snowflakes.

3320 **Sunshine, Mixed.** Pkt. 20 cts.; 75 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.35.

Livingston's Superb Mixture of Giant Asters

A magnificent mixture, producing beautiful flowers, gigantic in size, gorgeous in color, perfect in form

3330 **This mixture includes the cream of all the Asters** of the most beautiful forms and brilliant colors. Our special strain has been especially selected from the finest, large-sized, double-flowering types.

Height, about 2 ft. Pkt. 15c;
40c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 65c; \$2 oz.

Giant Ostrich Plume. A very large-flowering class, the blooms of which resemble the Giant Comet Asters, as they have the same curled and twisted petals. However, the petals are longer, and the whole flower larger.

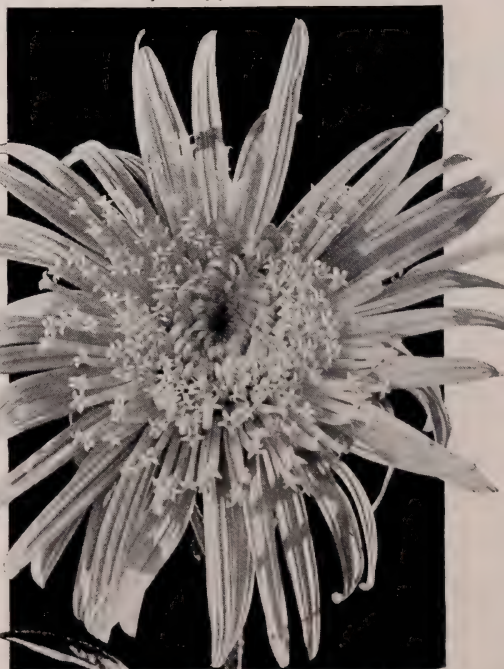
3250 **White,** 3252 **Rose-Pink,** 3254
Lavender, 3256 **Azure-Blue,** 3258
Dark Blue, 3260 **Crimson.** Pkt.
10 cts.; 35 cts. $\frac{1}{8}$ oz.

Collection: Giant Ostrich Plume, 6
separate colors, 50 cts.

3262 **Mixed.** Pkt. 10c; 30c $\frac{1}{8}$ oz.

3304 **Silvery Rose.** New, large-flowering, long-stemmed variety. Unique in color, harmonizes well with other shades. Every petal is a combination of deep lilac-rose, almost cerise, very delicately threaded with white; the slightest change in light will shade the petals from a rich rosy cerise to a silvery rose. Pkt. 15 cts.; 40 cts. $\frac{1}{8}$ oz.

3312 **PEERLESS PINK.** Midway between Crego and the Late Branching varieties and of a beautiful shade of pink. It blooms a little ahead of the Late Branching and produces its flowers on long stems. Pkt. 10 cts.; 35c $\frac{1}{8}$ oz.



New Giant of California Sunshine Aster

Semple's Giant Late Branching Asters



Semple's Branching Asters

Without question, the finest Aster grown. It has size, vigor, fine stem, beauty of form and varied color to recommend it, and, while not so early as many of the other varieties, it stands at the head of the list both for the home-garden and as a florist's flower.

	Pkt.	$\frac{1}{8}$ oz.
3150 Pure White	\$0 10	\$0 35
3152 Shell-Pink	10	35
3154 Lavender	10	35
3156 Royal Purple	10	35
3158 Crimson	10	35

Collection: Semple's Giant Asters, 5 above sorts, 40 cts.

3160 Finest Mixed Colors. All shades and colors. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.

3290 **Heart of France.** The best pure red Aster ever introduced. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. The flowers are large and full with never a trace of hollow center. The plants are of branching type and very robust habit; stems are long and strong and have very few laterals. The plants begin to bloom quite early in the season and open fully with the midseason varieties. They retain their brilliancy and luster for a longer period than almost any other color. Pkt. 15 cts.; 45 cts. $\frac{1}{8}$ oz.

F. B. Core, Arkansas County, Ark., writes: "Out of a dozen catalogs I selected yours to take this little order from."

Livingston's Exhibition Aster Collection

This magnificent collection contains the finest and most complete assortment of mammoth-flowering Asters it is possible to offer—the newest kinds, all colors, all varieties; early and late.

At regular rates these seeds would cost 75 cts.

One packet each, Semple's Giant Branching, Mixed; Giant Ostrich Plume, Mixed; Crego, Mixed; Truffaut's Peony-Flowered, Mixed; Livingston's Superb Mixture of Giant Asters; King, Mixed; Sensation; all for 50 cts., postpaid.

Ageratum (Floss Flower) X

Blooms profusely all summer; splendid for cut-flowers, borders, etc. Half-hardy annual.

3012 **PERFECTION BLUE.** Splendid large heads of deep amethyst-blue. Compact growth, 9 inches high. Fine border. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

3014 **Little Blue Star.** Very dwarf, bushy growth, covered with bright blue flowers. Very fine for edging. Pkt. 25 cts.; 40 cts. $\frac{1}{8}$ oz.; $\frac{1}{8}$ oz. 65 cts.

3016 **Mexicanum.** Lavender-blue. $1\frac{1}{2}$ ft. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

3018 **FINEST MIXED.** Splendid. Pkt. 10c; 20c $\frac{1}{8}$ oz.

Aquilegia (Columbine)

Exceedingly showy, early blooming, hardy plants. They delight in the moister portion of the garden. Many colors and shades. Height, $1\frac{1}{2}$ to 2 feet.

3092 **Long-spurred Single Hybrids.** Very superior. The very elegant, large, brilliantly colored long-spurred flowers range through every shade known in Aquilegias. Pkt. 10 cts.; 45 cts. $\frac{1}{8}$ oz.

3090 **Mrs. Scott Elliott's Strain of Long-spurred Hybrids.** The blooms are of large size and the spurs very long. Colors range through a most harmonious number of shades seldom seen in other flowers. Pkt. 20 cts.; 50 cts. $\frac{1}{8}$ oz.

3094 **New Long-spurred Rose Queen.** A beautiful light pink to dark rose. Pkt. 15c; 45c $\frac{1}{8}$ oz.

3100 **Chrysantha.** A clear long-spurred yellow. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

3102 **Cerulea.** Blue. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.

3096 **Double Varieties, Mixed.** Pkt. 10c; 20c $\frac{1}{8}$ oz.

3098 **Single Varieties, Mixed.** Pkt. 10c; 20c $\frac{1}{8}$ oz.



Aquilegia, Long-spurred Hybrids



Antirrhinum (Snapdragon)

Anemone (Wind Flower) ○

Fine for rock gardens, borders or for cuttings.

3040 **St. Brigids Strain.** The true Irish variety. Fine array of mixed colors. Plant 12 inches tall, blooms in May and June. Pkt. 20 cts.; 50 cts. $\frac{1}{8}$ oz.

3042 **Sylvestris.** (Snowdrop Windflower.) Sweet - scented white flowers on 12 to 18 inch stems. Blooms in April and May. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.

3108 **ARABIS ALPINA.** (Rock Cress.) ○ Hardy dwarf perennial 6 inches high. Has Pure white flowers early in spring. Excellent for your rock-garden and fine for beds or edgings. Needs the sun. Pkt. 10c.; 20c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35c.

Sweet-Scented Alyssum

An easily grown annual, fine for beds, edgings or for cutting. In bloom all summer and the greater part of fall.

3030 **MARITIMUM.** One of our most popular hardy annuals. Blooms continually from earliest summer until frost. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; oz. 40 cts.

3032 **LITTLE GEM or CARPET OF SNOW.** A dwarf, very compact-growing variety. While only 6 inches in height, each plant will carpet a circle from 20 to 30 inches in diameter, and form a solid mass of snow-white flowers of delicious fragrance. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; oz. 85 cts.

3034 **Saxatile compactum.** # (Golden Saxatile or Basket of Gold.) A hardy perennial variety; flowers are a most brilliant golden yellow. Fine for rock-work. Height, 9 inches. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; oz. 90 cts.

3036 **LILAC QUEEN.** Of compact habit. The pretty, deep lavender-lilac flowers are borne in great profusion. Valuable for the border. Pkt. 10c; 20c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35c; oz. 80c.

Choice Antirrhinums (Snapdragons) ×

Whether used for cutting or for show in the garden, it is one of the most valuable flowers grown. The beautifully colored flowers are borne on long stems. Seed sown the first week in May will bloom from July until frost. If earlier flowers are desired, start in the house and transplant to the beds where they are to bloom, when weather becomes warm.

3078 **GENEVA YELLOW.** Pure canary-yellow with a golden yellow throat. A wonderful acquisition to the forcing group and a splendid outdoor variety. Flowers are large and bold, very heavily set on long, stout stems, comparing with Geneva Pink. In our trials it has proved superior in size of flower and length and sturdiness of stem. This giant-flowered Antirrhinum is a distinct improvement over Canary Bird in color and size of flower. Our supply of seed is limited, and in order that a greater number of our friends may share the beauty of this wonderful new flower, we are offering in packets only (200 seeds), 50 cts. 5 Pkts. \$2.00.

3080 **JENNIE SCHNEIDER.** A beautiful new, rose-pink, early forcing variety. Pkt. 50 cts.; \$1.50 $\frac{3}{4}$ oz.

3076 **GENEVA PINK.** Has spikes of large, beautiful, glistening rose-pink flowers. One of the best for growing under glass. Pkt. 25 cts.; \$1 $\frac{3}{4}$ oz.; $\frac{1}{8}$ oz. \$1.75.

Giant-flowered Maximum. This wonderful new group of Antirrhinums far surpasses anything yet introduced. In habit they are slightly taller than the Majus group. The flowers are of magnificent size, closely placed on long stems. The group, as a whole, is slightly variable in size and color.

3050 **Old Gold.** Deep golden yellow. 3058 **Ruby.** Rich, velvety ruby-red.
3052 **Canary Bird.** Canary yellow. 3060 **The Rose.** Begonia-rose.
3054 **Purple King.** Deep glowing purple. 3062 **Snowflake.** Pure white, yellow lip.
3056 **Copper King.** Velvety copper-scarlet.

Prices of above 7 varieties, each, pkt. 15 cts.; 25 cts. $\frac{1}{8}$ oz.

COLLECTION: Giant Maximum Antirrhinum, 1 pkt. each above 7 colors, 85c

3070 **LIVINGSTON'S GIANT-FLOWERING, MIXED.** In this mixture of Giant-flowering Maximum Antirrhinums will be found every desirable color and shade in this wonderful class. The individual flowers, as well as the flower-spikes, are truly of giant size. Pkt. 15 cts.; 35 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 60 cts.

3083 **Cheviot Maid.** A clear pink, comparatively new. Very early blooming and a good forcing variety. Pkt. 75 cts.; \$1.40 $\frac{3}{4}$ oz.

3084 **SILVER PINK.** A beautiful shade of pearly pink. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.

3072 **LARGE-FLOWERING MAJUS, MIXED.** An elegant assortment of innumerable rich colors and shades. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

Asparagus ÷

3116 **Plumosus nanus** (Climbing Lace Fern).

One of the prettiest house plants. Is indispensable for bouquets, and very lasting. Half-hardy. Pkt. (10 seeds) 15c, 100 seeds \$1.

3118 **Sprengeri** (Emerald Feather). Beautiful for either pot culture or hanging-baskets. Grows freely all the year; a popular house plant. Pkt. (15 seeds) 10c., 100 seeds 40c



Alyssum

Three Choice Subjects for Rock-Gardens

- 3110 **ARENARIA montana.**○ Adapted to rockeries. Grows in tufts about 6 inches high, and is covered with small white flowers during May and June. Pkt. 20 cts.; \$1.50 $\frac{1}{8}$ oz.
- 3336 **Aubrietia, Large-flowering Hybrids, Mixed.**○ Fine creeping plant for carpeting or rock crevices. Mixed colors, about 6 inches high, blooms April and May. Pkt. 25 cts.; 65 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.25.
- 3376 **Calamintha, Alpina.**○ Graceful little rock plant. Tufted foliage with lavender blue flowers. Pkt. 35 cts.; \$1.00 $\frac{3}{8}$ oz.

Balsam ×

- 3350 **LIVINGSTON'S PREMIUM, FINEST MIXED.** Our strain is unsurpassed. The large, double flowers are as fine as the most elegant camellia. The size, fine form, varied and brilliant colors are greatly admired. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.
- 3352 **Double Camellia-Flowered, Finest Mixed.** Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.
- 3354 **Double Mixed.** Pkt. 10 cts.; 25 cts. $\frac{1}{4}$ oz.
- 3360 **BALSAM APPLE and PEAR (Momordica), Mixed.**× Very curious vine with ornamental foliage. Golden yellow fruit. Brilliant blood-red interior. Mixed, pkt. 10 cts.; 35 cts. $\frac{1}{4}$ oz.

- 3364 **BEGONIA gracilis luminosa.**÷ A brilliant, fiery dark scarlet. The plant is of sturdy growth, forming dense bushes 1 foot high, hidden with flowers from May until frost. Start indoors or in a hotbed. Pkt. 25c.
- 3366 **Vernon.** Bright orange-carmine flowers and very dark leaves. Start seed early. Pkt. 10 cts.
- 3370 **Finest Mixed.** A superior assortment. Pkt. 10c.

Calliopsis (Coreopsis) ×

One of the easiest grown annual flowers. Can be used with fine effect anywhere—in beds, border or masses. Blooms all the time. Sow the seed thinly when weather becomes warm and soil dry. Height, 1 to 2 feet.

- 3390 **Hybrida superba.** Very showy new hybrids in great variety of color, varying from pale yellow to rich orange and velvety brown. Pkt. 10c; 15c $\frac{1}{8}$ oz.
- 3392 **Golden Wave (C. Drummondii).** Bushy, compact plants covered with very large bright golden yellow flowers with brown centers. Pkt. 10 cts; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.
- 3394 **Mixed Tall Sorts.** All choice varieties. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.
- 3396 **Mixed Dwarf Sorts.** For bedding. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.
- 3398 **Lanceolata grandiflora #** (Harvest Moon). One of the grandest perennial plants. Fine in masses, or as cut-flowers. The individual blooms are very large and of the richest golden yellow. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.



Sensation Calendula

Calendula (Pot Marigold) ×

One of the easiest, most showy, and free-flowering, hardy annuals, producing a fine effect in beds or mixed borders; blooms all the time; fine for cut-flowers.

- 3386 **Sensation.** A sensational development. Has large, double orange flowers with a scarlet sheen. The long, strong stems make it unexcelled for cutting. Pkt. 15 cts.; 40 cts. $\frac{1}{8}$ oz.
- 3384 **Radio.** A new introduction. Orange flowers of medium size, with beautifully quilled petals. Try it. Pkt. 15 cts.; 35 cts. $\frac{1}{8}$ oz.
- 3380 **Orange King.** Large, full double, deep orange. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.
- 3382 **Ball's Orange.** New. A beautiful variety especially adapted to forcing. Pkt. 10c; 35c $\frac{1}{8}$ oz.
- 3388 **Fine Double Mixed.** Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.; 40 cts. oz.

- 3458 **Cardinal Climber.** =An annual climber of wonderful vigorous growth, climbing 20 feet in a season. Beautifully cut foliage. Brilliant fiery scarlet flowers. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.

Campanula (Canterbury Bells) +



Campanula

- 3420 **LIVINGSTON'S PRIZE MIXTURE.** An elegant mixture of all finest classes and colors of single and double and "Cup and Saucer" varieties. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.
- 3422 **Calycanthema** (Cup and Saucer Bellflower). Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.
- 3424 **Finest Double Mixed.** Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 3426 **Finest Single Mixed.** Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 3428 **Pyramidalis Mixed #** (Chimney Bellflower). A hardy perennial flowering in late summer. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.
- 3430 **Carpatica.#** Beautiful free-flowering, hardy perennial. Height, 9 inches. Blue and White. Mixed, pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.
- 3431 **Rotundifolia. (Blue Bells of Scotland).**○ Matted foliage. Dainty blue flowers. Pkt. 15 cts.; 85 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.50.
- 3432 **Turbinata.**○ Grows to 6 inches with beautiful cup-shaped flowers of blue smothering the plant. Pkt. 15 cts.; 40 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 65 cts.



Marguerite Carnations

Candytuft (Iberis) ×

No garden is complete without a large quantity of Candytuft. Grows easily and blooms all the time until frost. Splendid for cut-flowers. Hardy annual. Height, 1 foot.

- 3404 **ROSE CARDINAL.** Very large umbel of bright rose-cardinal flowers, so prolific that a bed presents an unbroken sheet of bloom. Height, 8 inches. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.
- 3406 **EMPRESS or GIANT HYACINTH-FLOW-ERED.** An improved strain, producing immense trusses of pure white bloom, 4 inches in length by 2 inches through. Fine for bedding and cutting. Height, 1 foot. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30c.
- 3402 **Large-flowering Dwarf, Mixed.** Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.
- 3408 **White Rocket.** Compact spikes. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.
- 3410 **Odorata.** Pure white; most fragrant. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.
- 3412 **Mixed Annual Sorts.** Pkt. 10 cts.; 20 cts. $\frac{1}{4}$ oz.; oz. 50 cts.
- 3414 **Gibraltarica.** ○ A dwarf evergreen plant flowering in early spring and summer. Used for rockeries, edging, or in the foreground of perennial borders. Lilac, shading to white. Pkt. 10c; 35c $\frac{1}{8}$ oz.
- 3416 **Sempervirens.** ○ Pure white. Pkt. 10 cts.; 50 cts. $\frac{1}{8}$ oz.

Cineraria

A favorite free-flowering greenhouse plant, with flowers of great richness and diversity of colors. Cinerarias bloom during the winter and spring months and can be planted out in summer. The plants thrive best in a mixture of loam, leaf-mould, and sand.

- 3526 **Livingston's Prize Mixture.** ÷ Contains only the richest and most beautiful colors; large. Pkt. 25 cts.
- 3528 **Maritima.** × (Dusty Miller). Silvery white foliage. Height, 1 foot. Perennial, but usually grown as an annual. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35c.

Carnations

Sow seeds under glass in the spring, or in open ground, but must be protected in the winter. Half hardy.

- 3442 **GIANT MARGUERITE.** Enormous flowers; colors most varied and brilliant. They come into full bloom in four months from sowing and continue until hard frosts. Our strains are semi-dwarf and strong growers. Height, 1 foot. Our mixture is splendid. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{2}$ oz. 40 cts.
- 3444 **Marguerite, Double Yellow.** Pkt. 15 cts.
- 3440 **LIVINGSTON'S PEERLESS MIXTURE. All bloom the first summer.** A very choice mixture including all superb sorts. Pkt. 15c; 30c $\frac{1}{8}$ oz.
- 3446 **Chabaud's Giant Perpetual.** Comes into bloom in a little over four months from seed; extra-large size; fine range of colors; is very sweet-scented. Mixed colors. Pkt. 10c; 25c $\frac{1}{8}$ oz.
- 3448 **Chabaud's Giant Improved, Mixed.** A greatly improved strain of this good old variety. Blooms of large size, fine form. About 90 per cent double and highly clove-scented. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.
- 3452 **Red Grenadin.** Double red flowers; no outdoor Carnation can equal it. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.;
- 3450 **Fine Double Mixed.** Pkt. 10c; 25c $\frac{1}{8}$ oz.

Cannas ×

Cannas grow nicely from seed, and will bloom the first summer if started early. File off one end of seed and soak in water over night; then sow them in a box in a sunny window or in the greenhouse. When up to the second leaf, transplant singly into pots and set out in the garden when the weather has become warm and settled.

- 3436 **Large-flowering French Hybrids, Mixed.** Pkt. 10 cts.; 35 cts. oz.

Celosia or Cockscomb ×

Attractive annual. The crested heads of flowers resemble a cock's comb. The plumed heads are like great feathers. Sow the seed directly in the garden or start early and transplant.

Ostrich Plume Varieties

Graceful, handsome, pyramidal plants 3 feet high, each branch tipped with brilliantly colored plume resembling an ostrich feather.

- 3470 **THOMPSONI MAGNIFICA.** Mammoth blossoms of vivid scarlet, purple, blood-red, golden yellow, salmon, etc. Height, 2 feet. Mixed colors, pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.
- 3472 **Gold Plume.** 3474 **Fire Plume.**
Price of either: Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

Collection: The 3 new Ostrich Plume Celosias listed above, 25 cts.

CHINESE WOOLFLOWER. Unique type of the Ostrich Plume variety. Forms large, globular heads, like balls of wool, of a rich color. 2 to 3 feet.

- 3462 **Pink.** 3464 **Crimson.** 3460 **Mixed.** All colors.
Price of either: Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.

Comb Varieties

- 3476 **GLASGLOW PRIZE.** Dark crimson. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.
- 3478 **Finest Dwarf, Mixed.** Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.

Centaureas

The different varieties of this popular annual include such favorites as the Bachelor's Buttons or Cornflowers, and Sweet Sultans, old-fashioned flowers of easiest culture. Height, 2 feet.

Cyanus

3486 **BACHELOR'S BUTTON.** The true old-fashioned Bachelor's Button of your grandmother's garden. Mixed colors. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

3488 **Emperor William.** Rich, deep blue Bachelor's Button. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

3490 **Double Blue.** A standard variety largely used by florists. It is identical in color to the popular single blue variety, but being a full, double flower makes it better for cutting. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.; 85 cts. oz.

Giant-flowering Sweet Sultans (imperialis)×

The blooms are borne on long stems. Of the easiest growth; very showy in the garden all summer long.

3496 **Giant Mixed Colors.** An elegant assortment of colors. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.; 90 cts. oz.

3498 **LIVINGSTON'S CHOICE MIXTURE.** A grand mixture of all the Bachelor's Buttons and Giant Sweet Sultans. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.; 90 cts. oz.

White-leaved Centaureas (Dusty Millers)×

Silver-foliaged plants, extensively used for edging, hanging-baskets, etc.

3502 **Candidissima.** Very thick, broadly cut, silvery white leaves. Height, 1 ft. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{8}$ oz. 50 cts.

3500 **Gymnocarpa.** Leaves fern-like; silvery gray color. Fine for borders. Height, $1\frac{1}{2}$ feet. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.; 90 cts. oz.

Cerastium ○

3508 **Tomentosum (Snow-in-Summer).** A low-growing plant, having silvery white foliage and producing an abundance of snow-white flowers. Pkt. 15 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{8}$ oz. 40 cts.

Cobaea ×=

3534 **Scandens.** Fine annual climber, often growing 15 to 25 feet in a season. Handsome foliage; large, deep violet-blue, bell-shaped flowers. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.

SET OF FOUR GARDEN HAND TOOLS

HANDY TO HAVE IN YOUR GARDEN KIT

CULTIVATOR — FORK — TROWEL — BULB TROWEL

PRICE, 65 CTS. POSTPAID



Bellis Perennis Daisies



Chrysanthemums, Perennial

Chrysanthemums (Perennial)

The perennial varieties are gorgeous in the garden every fall. The plants grow 1 to 3 feet in height.

3516 **Japanese Hybrids.** The best double-flowering varieties. Pkt. 15c; 75c $\frac{3}{4}$ oz.

3518 **Inodorum (Bridal Robe).** New; pure white; extra fine. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.

For Your Rock-Garden

3512 **Cheiranthus, Allioni.**○ (Siberian Wall-flower.) Dazzling fiery orange flowers on 12 inch stems. Fine for your rock-garden. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

3568 **Crucianella, Stylosa.**○ Tangled masses of fine foliage with many heads of red flowers. Grows about 18 inches high and fine for rock gardening. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

Cypress Vine (Ipomœa quamoclit) ×=

3580 **Finest Mixed.** A beautiful annual climber, with fernlike foliage and graceful star-shaped flowers. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.; 60 cts. oz.

Daisies

A charming little plant for pots, edgings and borders. (See illustration.) Sow the seeds very early and plants will bloom the first year and continue to bloom each season if given some protection during winter. They do best in a rich soil and quite cool situation. For cemetery decorations. Perennial. Height, about 6 inches.

3600 **Bellis Perennis (Monstrosa), Mixed.**# This assortment includes the Pink and White Monstrosa as well as many other finest sorts. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{8}$ oz. 50 cts.

3608 **SHASTA DAISY.**# **Selected Seed.** A hardy perennial plant that blooms more abundantly each season and is multiplied by division of roots or sowing seed. They bloom for several months in great abundance. The flowers are large and graceful, with three or more rows of pure white petals. This is the variety so generally sold by florists, and no flower-garden is complete without it. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 60 cts.

3598 **Arctotis Grandis** × (African Daisy). A useful and charming cut-flower from June till frost, lasting a week in water. The daisy-like flowers are glistening white but variegated by the under-surface of pale lilac-blue. Grows 2 to 3 feet. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

Livingston's Mammoth Cosmos ×



Extra Early Flowering Cosmos

Orchid-Flowered Cosmos

3562 Lady Lenox, Pink. Flowers 4 to 5 inches in diameter. Color a delightful shell-pink, lighting up beautifully at night. Splendid variety. Height, 6 to 7 feet. Pkt. 10c; 20c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30c; 60c oz.

3564 Lady Lenox, White. Similar to above except white. Pkt. 10c; 20c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30c; 60c oz.

Double-Crested Cosmos

A new class, producing beautifully crested flowers which lend themselves to the most artistic arrangement.

3550 Mixed. Pkt. 15 cts.; 35 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 60 cts.

Dahlias ×

Dahlias are easily grown from seed and bloom profusely the first season. Their colors are especially rich and brilliant. There is a fascination in growing Dahlias from seed as they always produce many new types and colors. As soon as the plants are large enough and the weather warm, plant in the open, not closer than 2 feet apart. Protect the tubers over winter in a dry cellar in sand.

3590 Large-flowering Choicest Double Mixed. This elegant assortment of seed is saved from round, double flowers; many beautiful colors. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

3592 Cactus Varieties, Choicest Mixed. Distinct and elegant; petals pointed; blooms perfectly double. Pkt. 10 cts.; 45 cts. $\frac{1}{8}$ oz.

3594 Livingston's Superb Dahlia Mixture. Embraces every variety on this page and many others. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.; 85 cts. $\frac{1}{4}$ oz.

Elegant Blooms 'til Frost

None of our autumn flowers are more prized than the Cosmos. The thrifty plants produce thousands of the most elegant blossoms in pure white, pink, and crimson shades. As a decorative garden plant its value is inestimable, while as cut-flowers for home decoration nothing is finer. Plant the seed directly in the garden as soon as the settled spring weather comes, or you may start the plants early in a box in the house and transplant them. In the garden set the plants 1 to $1\frac{1}{2}$ feet apart. Height, 5 to 6 feet.

Extra-Early Mammoth-Flowering

This is a new strain of Cosmos selected for size of flowers and earliness. The growth of this new Cosmos is so rapid that seed can be sown outdoors where the plants are to grow and within a few weeks the plants will be covered with a mass of large, beautiful flowers and will continue to bloom until frost.

3552 White. Pure white.

3554 Pink. Light pink.

3556 Crimson. Brilliant.

Price on any above,
Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.;
 $\frac{1}{4}$ oz. 30 cts.; 75 cts. oz.

3558 Mixed. A well-blended mixture of white, pink, and crimson. Pkt. 10c; 20c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30c; 75c oz.

Mammoth Perfection, Giants of California. A magnificent strain. The individual flowers are of enormous size and the most perfect form, while the colors are richly brilliant. These represent the highest developed types in Cosmos. Will keep a week in water after being cut.

3560 Mammoth Perfection, Mixed. A superb mixture of every color and shade in these splendid Cosmos. Pkt. 10 cts.; 20 cts. $\frac{1}{4}$ oz.; oz. 50 cts.

Coleus ×

Beautiful foliage plants, both for greenhouses and bedding out in the garden. The striking colors and brilliant variegated leaves are much admired.

3542 Fine Mixed Hybrids. Mixed seed from a very fine collection. Pkt. 10 cts.; 40 cts. $\frac{3}{8}$ oz.

3540 Extra-Fine Mixed Hybrids. Our finest mixture. Pkt. 15 cts.; 50 cts. $\frac{3}{8}$ oz.

3544 Large-leaved Fringed. Beautiful leaves. Pkt. 20 cts.; 50 cts. $1\frac{1}{4}$ oz.

Didiscus (Lavender Lace Flower) ×

3644 CÆRULEA. This pretty annual blooms most profusely from July till November. The exquisite pale lavender blossoms are excellent for cutting. Plants grow about 18 inches high, and have as many as 50 flowers open at one time. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

Dolichos (Hyacinth Bean) ×=

A splendid annual climber, with hyacinth-like clusters of purple and white flowers, followed by ornamental seed-pods. Of rapid growth and stands summer heat well. Sow in the garden in May where the plants are to remain.

3660 Finest Mixed. Pkt. 10 cts.; 30 cts. oz.

Livingston's Dianthus--Annual and Hardy

Old Fashioned Garden Pinks

This elegant family contains many of the most valuable and popular flowers in cultivation. All the sorts classed as annuals may be sown directly in the garden as soon as danger from frost is past. Useful as cut-flowers. 1 foot.

Double Annual Pinks

3624 GIANT FRINGED AND RUFFLED PINKS, Double Marvelous or Japanese Fringed Pinks (*D. mirabilis fl.-pl.*)

This remarkable and perfectly distinct new strain produces large, perfectly double flowers on stiff, upright stems. The petals are deeply cut into fine strips of thread-like fringes for about half their length, and are twisted in all directions, presenting a novel aspect. In color, they vary greatly, having all shades from pure white to deep purplish red. Pkt. 15 cts.; 25 cts. $\frac{1}{8}$ oz.

3632 Livingston's Mixture of Double Pinks. A splendid combination of all the best varieties. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

Hardy Garden or Clove Pinks

This splendid class of hardy perennial Pinks should be in all gardens. They have the delightful clove fragrance.

3622 Alwoodii. Very hardy, blooming from early spring until late fall. Flowers come in every color except yellow and a good per cent of them are double. 25 seeds 30 cts., 50 seeds 50 cts., 100 seeds 85 cts.



3636 LIVINGSTON'S MIXTURE OF HARDY GARDEN PINKS. A magnificent strain of hardy garden Pinks containing all the sorts described on this page and many new varieties not listed by us. Choicest single and double sorts of bright and brilliant colors make this mixture one of the most desirable for the hardy garden. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

3628 Cæsius (Cheddar Pink). (*D. plumarius*.) Forms dense tufts of plants only a few inches high, and has rosy pink, sweet-scented, small flowers. A good rock plant. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

3630 Deltoides (Maiden Pink.) A beautiful little plant, with narrow leaves, and quantities of small crimson flowers. Adapted to rockeries. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40c.

3638 Double Large-flowering Grass or Spice Pinks (*D. plumarius semperflorens fl.-pl.*). The fringed and spotted flowers are much larger and more double than the older varieties; have richer colors, including many not known to the old-fashioned Pinks. Sweet, spicy odor, perfectly hardy, blooms profusely during the spring and early summer. 12 inches. Ordinary culture. Pkt. 25 cts.; 45 cts. $\frac{1}{8}$ oz.

3634 Single Large-flowering Grass or Spice Pinks, Mixed. These are same as above, only single. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

3670 DRACÆNA indivisa (Dragon Plant). Beautiful ornamental-leaved plants; long, narrow, green foliage. Indispensable as center plants for vases and for house decorations. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

Digitalis (Foxglove)

The Foxglove, in common with all the hardy perennials, is being planted more extensively each season. The large, tubelike flowers, which are produced so freely in beautiful spikes, add much to our hardy beds and borders. Being of the easiest growth, and doing finely in partially shaded situations, they fill in many gaps most advantageously. Height, 3 feet.

3650 Gloxiniaeflora. A beautiful class, with spotted flowers. We offer a mixture of finest varieties. Pkt. 10c; 20c. $\frac{1}{8}$ oz.

3652 Monstrosa (Mammoth Foxglove). A grand strain. The top flowers of the spikes are of enormous size. Fine assortment of colors. Splendid mixture. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.

3654 Purpurea, Finest Mixed. The common Foxglove so generally known. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.



Digitalis (Foxglove)



Delphinium

Delphinium (Hardy Perennial Larkspur)

One of our most brilliant and effective hardy garden plants. Of late years the size and colors of the flowers have been wonderfully improved. Persistent bloomers, even in the driest seasons. Height, 2 to 4 feet.

3610 NEW GIANT-FLOWERING HYBRIDS. These magnificent hybrids, the grandest of Delphiniums in existence, produce splendid spikes of immense flowers, semi-double and double. Flower-spikes are from 2 to 5 feet in length. The colors are very beautiful, ranging from pure white through all the shades of lavender and blue. Mixed colors, pkt. 20 cts.; 40 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 75 cts.

3612 Bellamosa. A dark blue form of the popular light blue Belladonna. It is identical in habit of growth, freedom of bloom, and has all the good qualities of the former, but with intensely rich, deep blue flowers. Pkt. 20 cts.; 50 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 85 cts.

3614 BELLADONNA. Light sky-blue flowers, with light centers; a very fine variety. Height, 4 feet. Pkt. 20 cts.; 50 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 85 cts.

Wrexham (Hollyhock Strain) Delphinium

The greatest advance yet made in this splendid class

3616 Enormous spire-shaped spikes of bloom, beautiful in form. This strain has brought the Delphinium into the greatest popularity for bedding as well as for cutting. The mixture we offer contains all the colors peculiar to the Delphinium, and there are double and single blooms. Some of the blooms are of large size, fully 3 inches in diameter being reported. Our seed is American-grown from English stock. Pkt. 35 cts.; 75 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.35.

Annual Delphiniums. See Larkspur, page 20

3674 ERIGERON, Speciosus Grandiflorus. Flowering plant with single aster-like flowers. They are a rich purple and large. Valuable for cutting. Plants grow 24 inches high. Pkt. 20 cts.; 40 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 75 cts.

FUCHSIAS (Lady's Eardrops). These well-known plants will flower the first season from seed, if started early. As house plants for winter they are always general favorites. The seed we offer is saved from a fine collection of double and single sorts.

3696 Best Sorts Mixed. 50 seeds 25 cts.; 100 seeds 40 cts.

3690 FEVERFEW (Matricaria). Free-flowering annuals about 1 foot high; very compact and bushy. Splendid for beds and borders; also fine as cut-flowers or for pots. The double, white blooms are very useful in bouquets. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

FOUR O'CLOCK. See Marvel of Peru, page 21.

FORGET-ME-NOT. See Myosotis, page 24.

Mrs. Mae Rockow, Lucas County, Ohio, writes: "We cannot praise your seeds high enough. Our pansies, delphinium, daisies, etc., are looking fine in our hot beds."

Eschscholtzia (California Poppies) ×

Most attractive annuals of the easiest culture, their flowers being bright and showy. They are splendid for bedding, massing, or ribbon-work. Plants are bushy and grow about 1 foot high. They are favorites everywhere. Bloom profusely from spring-sown seed.

3680 Golden West. Early and continuous bloomer. Magnificent flowers of gigantic size. Colors intense shining yellow and orange. The state flower of California. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

3682 Finest Double Mixed. A splendid assortment of colors. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

3684 Finest Single Mixed. All the best varieties. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

3686 BUSH ESCHSCHOLTZIA (Hunemannia). A fine new perennial plant; forms a bushy shrub 2 feet high, producing, on stems 1 foot long, large cup-shaped flowers of clear jonquil-yellow with vivid bright orange stamens. Begins to bloom in July from spring-sown seed. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.



Have some Eschscholtzia this year

Gaillardia (Blanket Flower)

There are annual and perennial Gaillardias. The annual sorts bloom all summer and autumn, and are noted for the profusion, size, and brilliancy of their flowers; excellent for beds and borders. The perennial varieties are grand and wonderfully effective in the hardy borders, their especial value being constant blooming from July until hard freezing weather. They require no winter protection, although applications of manure increase their strength. If the seed is sown early they will begin flowering at midsummer. Both classes are splendid as cut-flowers, of easy culture, doing finely anywhere. Height 2 feet.

3702 Finest Single Annual, Mixed. A very fine assortment of many brilliant colors. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

3704 Finest Double Annual, Mixed (*G. Lorenziana*). All the best double-flowering varieties in richest mixture. They bloom freely all the season. Splendid for bouquets. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

3698 THE DAZZLER. # The best Gaillardia of the giant-flowering type. The large, dark red flower with its bright orange tips is very attractive. The new improved strain we are offering is very vigorous. Perennial. Grow The Dazzler this year. Pkt. 20 cts.; 40 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 65 cts.

3700 Portola Hybrids. # *New.* Flowers of very large size, with colors ranging through shades of bronzy red, and having petals tipped with gold. Striking. Pkt. 20 cts.; 40 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 65 cts.

3706 GRANDIFLORA HYBRIDS, Finest Mixed. # One of the most elegant perennials; is in continuous bloom from June until frost. Enormous red and yellow flowers. Pkt. 10c; 20c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35c.

3708 Grandiflora compacta. # A compact-growing variety similar in bloom to the Grandiflora Hybrids, but only grows about 15 inches high. Richest colors and long stems. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.



Gaillardia, The Dazzler. You'll like it

Geraniums ×

These popular plants are most easily raised from seed, and if started early will produce flowering plants the first summer. Start in the house and transplant to the garden as soon as the weather is warm.

3720 Finest Mixed. Pkt. 10 cts.; 50 cts. $\frac{1}{8}$ oz.

Geum ○

Belongs to the Rose family. Does well in rock-garden work.

3716 Mrs. Bradshaw. A splendid variety with large, double, fiery red flowers. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 45 cts.

3718 Lady Stratheden. (Golden Ball.) A fine golden yellow flower of loose double formation. Plant 24 inches, does best in sun. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

GLOBE AMARANTH. × The flowers resemble clover-heads and can be dried and used in winter bouquets. Very effective in beds or borders. Height, 2 feet.

3736 Mixed. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.

CODETIA (Satin Flower). × A very beautiful hardy annual. In full bloom all summer, so profuse that the foliage is almost hidden by the large wide-open flowers; of shining satiny texture and the most delicate and brilliant colors.

3740 Mixed. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

Gourds × =

3750 Gourd Mixture. Contains a great variety, including many ornamental sorts. Pkt. 10 cts.; 30 cts. oz.

Gypsophila (Baby's Breath)

3760 Repens. ○ A beautiful trailing plant for the rockery. Has numerous small, white and pink flowers in July and August. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

3762 Elegans alba grandiflora (Paris Market). × This is an improved, large-flowering, pure white, annual Baby's Breath of free, easy growth. Several sowings should be made during the season. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.

3764 Paniculata. # An elegant hardy perennial plant that should be in every garden. It is pretty in beds, and its delicate little flowers are produced in feathery white panicles; fine in bouquets. Fine cut-flowers. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40c.

3766 Paniculata fl.-pl. # Double. Pkt. 25c; 50c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 75c.



Gypsophila (Baby's Breath)

Helichrysum (Straw Flower) X

MONSTROSUM FL.-PL. One of the best of the "everlastings." They succeed in any good garden soil. The large, double flowers of rich, glittering colors make a fine display in beds or borders, but are especially grown to dry for winter use in baskets, vases, etc. When grown for winter use, they should be cut when the flowers are about one-third open, but with as long stems as possible; take off all foliage, tie in bunches, and hang head downward in some dark, dry place until the stems are thoroughly dry. Our seeds are of the Monstrosa or large-flowering type, which insures you an abundance of large, double flowers of the most brilliant colors. Plant 12 to 15 inches apart, to give them plenty of room to develop. Hardy annual $2\frac{1}{2}$ to 3 feet high. We offer the following choice colors and our special mixture.

- | | |
|---------------------------|-------------------|
| 3780 Golden Globe. | 3792 Salmon. |
| 3782 Canary-Yellow. | 3794 Violet. |
| 3784 Silver Globe. | 3796 Salmony Red. |
| 3786 Fireball. | 3798 Scarlet. |
| 3788 Crimson. | 3800 White. |
| 3790 Rose-Carmine Shades. | |

Prices of above, separate colors, pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.: 7 pkts., our selection, all different, for 50 cts.

3802 Mixed. A mixture of the above and other colors. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.; 75 cts. oz.

Heliotrope X

Easily raised from seed. Spring planting gives fine summer-blooming plants. As a bouquet flower it is always a favorite.

3774 **LEMOINE'S GIANT HYBRIDS.** Grand flowers, double the size of the older sorts. Bushes compact, about 18 inches high; heads of mammoth blossoms often measure a foot across. Deliciously fragrant. Seed sown in the spring will produce flowering plants by July, which continue in flower until frost. Mixed, including Purple, White, Lavender, and Blue. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

3776 **All Sorts Mixed.** In best assortment; all shades, both light and dark. A very desirable strain. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.



Grow Helichrysum for Winter Bouquets

Hibiscus (Marshmallow)

Tall growing; especially adapted to backgrounds and shrubbery borders. Of easiest culture, and bloom the entire season. Height, 4 to 5 feet.

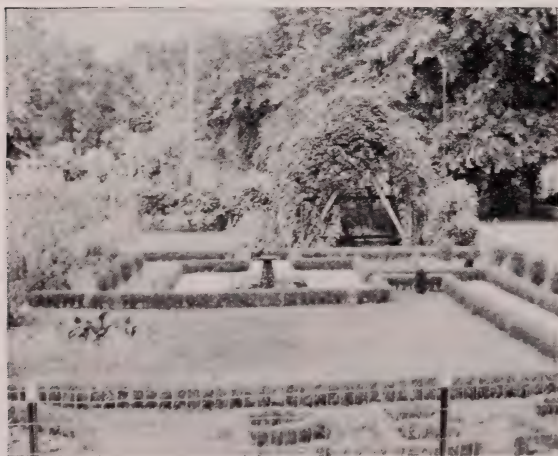
3966 **Mallow Marvels.** A robust type of upright habit, producing an abundance of flowers of enormous size in all the richest shades of crimson, pink, and white. Mixed colors, pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

Helianthemum O

Lends itself to Rock-Garden work

3770 **Mutabile (Rock Rose).** Low growing, 8 to 12 inches. Forms large clumps covered with pale rose flowers which change to lilac and then to white. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

3844 **KOCHIA Childsi** (Summer Cypress or Burning Bush). X This splendid annual plant grows very quickly from seed sown in the open ground as soon as the weather permits in spring. The plants always make attractive globe-shaped bushes, as large sometimes as 3 feet high and 2 feet across. Leaves slender and of a light pea-green color until September, when they turn to carmine and blood-red; at the same time ends of shoots are thickly set with small bright scarlet flowers and produce a very striking effect. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.; 90 cts. oz.



From way out in Nebraska we received this interesting snapshot illustrating what can be done with Kochia (Burning Bush). It certainly suggests ways of using Kochia to advantage. Thru courtesy of Mr. P. B. Cole. We thank you Mr. Cole.

The New Noc-out Distributor

A new, easy way of uniformly distributing fertilizers and lawn seeds. Saves time and material. Try it. Listed on page 77.



Livingston's Prize Hollyhocks

Hollyhocks

Hollyhocks require a rich soil, but it must be well drained. We give especial attention to this flower, and you will find our strains of seed of the finest quality. Once thoroughly established, they bloom stronger and more brilliant every year. Seeds sown early, and the young plants transplanted several times, will bloom the same season; July and August-sown seed, following year. Height, 5 to 8 feet.

Livingston's Prize Hollyhocks. These are the largest flowering and most perfectly double Hollyhocks we have been able to procure after many years of selection of only the best varieties. The colors are rich and brilliant, the plants free from disease, as well as very robust and strong growers; in fact, we believe our strain to be unsurpassed in every respect. We offer several separate colors and our best mixture.

- | | |
|--------------------------|---------------------|
| 3810 Double Black | 3818 Double Crimson |
| 3812 Double Lemon-Yellow | 3820 Double Scarlet |
| 3814 Double White | 3822 Double Salmon |
| 3816 Double Rose-Pink | |

Each color, pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

3824 **LIVINGSTON'S PRIZE MIXTURE.** This is our best mixture. It is composed exclusively of the finest double-flowering varieties. It contains not only the above elegant colors, but also innumerable other shades. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.

3826 **Mammoth Allegheny.** Large flowers in colors from the palest pinks to the deepest reds. Lovely fringed and transparent petals. Contains single, semi-double and double kinds. Blooms from July to frost. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.

3828 **Mixed Annual Everblooming.** Glorious new hybrids which can be treated the same as annuals and will bloom the same year from seed. Started inside in March and transplanted to open ground in May, they will bloom in July. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.

3806 **HEUCHERA sanguinea.** Beautiful plants for borders and rockeries, having many flower-spikes, well above the low-growing foliage. Small, bright red blooms, very desirable for cutting. Pkt. 10 cts.; 50 cts. $\frac{3}{8}$ oz.

3840 **KENILWORTH IVY** (*Linaria Cymbalaria*). A hardy perennial trailing plant suitable for vases, etc. Adapted to shady locations. Easily grown from seed. Lovely little lavender and purple flowers and exquisite foliage. Pkt. 10c; 25 cts. $\frac{1}{8}$ oz.

3848 **KUDZU VINE** (*Pueraria Thunbergiana*). # = This wonderful climber, of Japanese origin, is a most luxuriant grower, reaching 8 to 10 feet the first year from seed, and producing vines 50 feet high. Unequaled for porches, arbors, trellises, etc. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

3886 **LAVENDER** (*Lavandula vera*). # True Lavender. Popular, sweet-scented, hardy perennial; fine for mixed border. Height, 3 feet. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

LYCHNIS. # Few plants produce as bright flowers and bloom as continually as Lychnis. A hardy perennial, but flowers the first season from seed if it is sown early. Height, 2 feet.

3930 **Finest Mixed Hybrids.** Plants are compact and bushy; colors include all the most brilliant shades, from pure white to deepest red. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

3852 **LANTANA, Mixed.** X Popular, free-blooming, and very rapid-growing plants with flower-heads of various colors, which are continually changing; emit a powerful aromatic perfume; plants are completely loaded with blossoms, succeeded by berries which, when ripe, turn deep blue. Used largely for bedding out in summer and are also fine winter-blooming plants. Start seeds in the house or hotbed. Height, $1\frac{1}{2}$ feet. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.



Perfumed Lantana attract butterflies, too.



Larkspur

Larkspur (Annual Delphinium) ×

Annual Larkspur is one of the old-fashioned flowers improved by culture. The long, slender spikes are very graceful, and are beautiful either in the border or as a cut-flower. The wide range of intermediate shadings makes them a delight. They thrive in almost any soil, but a sunny situation suits them best. Seed should be sown as soon as the weather becomes warm, in shallow drills. When well started, thin out to stand 8 inches apart.

STOCK-FLOWERED. These tall-growing and branching Larkspurs produce the most brilliant spikes of double flowers; continuously in bloom all summer.

3872 **EMPRESS ROSE.** *New.* Tallest and best of all salmon-pink shades. It is of the double, branching, stock-flowered type. Very promising. Pkt. 15 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

3860 **LA FRANCE.** A pleasing salmon-pink and, without question, the most striking in color of all the Tall Stock-flowered Larkspurs. It is more resistant to mildew and much more vigorous and tall growing than the class. The large, well-formed double flowers are well placed on long stems and present a beautiful appearance. Pkt. 15c; 35c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 55c.

	Pkt.	$\frac{1}{8}$ oz.
3862 Tall Stock-flowered. White	\$0 10	\$0 25
3864 Tall Stock-flowered. Shell-pink	10	25
3866 Tall Stock-flowered. Bright rose	10	25
3868 Tall Stock-flowered. Dark blue	10	25
3870 Tall Stock-flowered. All Colors Mixed	10	20

3876 **Giant Hyacinth-flowered.** Tall; a superb class. The splendid flowers are very large, very double and of various beautiful colors, shadings and markings; long spikes of bloom like immense hyacinths. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

3878 **Double Dwarf Rocket.** A most choice mixture of varieties that grow about 1 foot in height. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

3880 **Double Tall Rocket.** This well-known mixture embraces the very choicest colors in the taller growing sorts. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

For Perennial Larkspur, see Delphinium, page 16

Lupinus (Lupine)

ANNUAL. An easily grown, free-flowering annual. Long graceful spikes of rich-colored, pea-shaped flowers. Prefers a little shade.

3916 **Hartwegi, Mixed.** Pkt. 10 cts.; 25 cts. $\frac{1}{4}$ oz.

PERENNIAL. Bloom in May and June. Succeeds in any good garden soil. 3 feet.

	Pkt.	$\frac{1}{8}$ oz.
3920 Polyphyllus. White	\$0 10	\$0 25
3922 Polyphyllus. Blue	10	25
3924 Polyphyllus. Rose	10	30
3926 Polyphyllus. Mixed	10	25

Linum (Flax) ○

3896 **Perenne.** One of the most effective and showy bedding plants, of long duration, having fine foliage and delicate stems, with bright blue flowers. Height, 18 inches. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

Lilium

3890 **REGALE.** This Lily is absolutely hardy, and is excellent for forcing. It has been predicted that it will become the Easter Lily of the future. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most Lilies. Blooms outdoors early in July, and seedling bulbs will flower the second year. The seeds can be sown in flats in the greenhouse at any time, giving the same treatment as tomato seed, and lined outside in rows about 4 inches apart as soon as weather permits. These will do well in any soil with good drainage and will give you a blooming size bulb the second year. It will be necessary to lift the bulbs grown from seed the first year, just after the first killing frost in the fall, and plant them back immediately in order to get them 4 to 6 inches deep. Pkt. 15 cts.; 40 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 75 cts.

Lobelia ×

Exceedingly pretty, profuse-blooming plants, both in the garden and for hanging-baskets, window-boxes, and vases. Six inches high. Easiest culture.

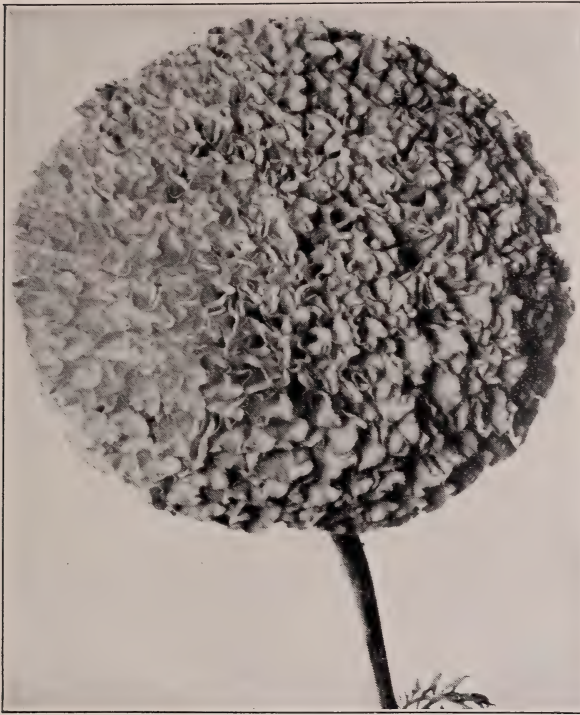
3900 **Crystal Palace Compacta.** Best dark blue sort for edgings and carpet bedding. Pkt. 10c; 40c $\frac{1}{8}$ oz.

3902 **Gracilis.** Fine for hanging-baskets, vases, and window-boxes. Light blue; a trailing variety. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

3904 **Mixed Compacta Sorts.** A very fine mixture of all the best varieites for edgings and bedding. This mixture will give you a great profusion of bloom. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.



Delightfully Perfumed Regale Lilies



Alldouble Marigold

French Marigolds

3958 Signata pumila. A dwarf variety, 6 to 8 inches high, and literally covered with small yellow flowers, having a brown stripe down the center of each petal. Splendid for edgings of beds. Sow in boxes and transplant, or sow in beds if fall blooming is desired. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.

3948 LEGION OF HONOR (Little Brownie). Handsome single variety, covered with a multitude of flowers. In color it is a velvety golden yellow blotched with purple. Height, 1 foot. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 60 cts.

3950 Tall Double, Mixed. A splendid assortment of all the best colors in striking combinations. Height, $2\frac{1}{2}$ feet. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 60 cts.

3952 Dwarf Double, Mixed. Mixture similar to No. 3946 in colors, but the plants grow much dwarfer. Height, 1 foot. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 60 cts.

Mignonette (Reseda) ×

Without Mignonette in our gardens, something indeed would be missing. Its large, deliciously fragrant spikes of bloom are everyone's admiration. Make successive sowings in the garden, from April to July, and thin out to 6 inches apart. Pinch top off when about 2 inches high for best results. Height 1 to 2 feet, according to the variety.

3982 Golden Machet. Golden yellow. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

3984 Odorata. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.

3980 Red Goliath. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

3986 Finest Mixed. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.

Livingston's Gladiolus Bulbs

We offer something very special in Gladiolus Collections on page 35. Splendid varieties in strictly first-size bulbs.

Livingston's Marigolds ×

Tagetes

These old-fashioned favorites are annuals of the very easiest cultivation. Both the French and African classes are very effective. The former have the small, velvety flowers, in pretty combinations of yellow, brown, maroon, and striped effects; the African sorts are the enormous flowered ones, in very showy orange and lemon shades. (See illustration.) Both kinds are most popular for beds and borders, and planted in large blocks are very attractive. They bloom profusely all summer. Start the seed early in a box in the house or plant directly in the garden when the weather is warm. Fine as cut-flowers. French sorts make nice pot plants.

African Marigolds

3936 New Orange, All Double Marigold. A new development in Marigolds. So called because such a large per cent come double. A beautiful large flower. We are pleased to offer this new African strain and are sure you will be enthusiastic about it. Pkt. 20 cts.; 45 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 85 cts.

3940 LEMON BALL. Extra-large, round, double flowers of a clear canary-yellow. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 75 cts.

3942 ORANGE BALL. Enormous, double, intense rich orange flowers produced in great profusion from July until cut down by frost. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 75 cts.

3944 Mammoth Tall, Mixed. Height, 3 ft. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 60 cts.

3946 Mammoth Dwarf, Mixed. Height, $1\frac{1}{2}$ feet. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 60 cts.



French Marigolds

Marvel of Peru ×

Four O'Clock or Mirabilis

This old-fashioned favorite is one of our easiest grown annuals. The plants are bushy, about 2 feet high, and covered all summer with large, showy, very fragrant blooms.

3970 Variegated. These flowers, in many colors, contrast finely with the golden-hued foliage. Pkt. 10 cts.; 20 cts. $\frac{1}{4}$ oz.

3972 Finest Mixed. Pkt. 10 cts.; 30 cts. oz.; $\frac{1}{4}$ lb. 85 cts.

Livingston's Dwarf Nasturtiums ×

HAVE YOU A NOOK OR CORNER FOR THEM?



New Golden Gleam Nasturtium

BODGER'S

New Sweet-Scented NASTURTium...GOLDEN GLEAM

4100 This new Nasturtium is the most talked of novelty of the season. Plant is vigorous, bushy, 24 inches high. The flowers, when fully in bloom, cover the entire plant with a blaze of color. They come semi-double, are borne on stiff long stems and are very fragrant. Start early for best results. For attractive show in your out door living room or for bouquets for indoors, you will find them unexcelled. Give this new one a trial this year. Pkt. 25 cts.; 35 cts. $\frac{1}{4}$ oz.; oz. \$1.00.

4090 **LIVINGSTON'S GLORY OF THE GARDEN MIXTURE.** This is our best mixture of the dwarf varieties. It is composed exclusively of the most elegant large-flowered sorts, and the brilliantly colored flowers range through every shade and tint known in this favorite annual. This seed will produce a bed or border gorgeous beyond description. Pkt. 10 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 50 cts.

4084 **Choice Dwarf Mixed.** We handle such large quantities of Dwarf Nasturtiums that we are able to offer this especially choice mixture at a very low price. You should plant this mixture very liberally. Pkt. 5 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 40 cts.; \$1, lb.

Dwarf Queen Nasturtiums

4086 **Mixed.** A gorgeous mixture of all the dwarf or Tom Thumb varieties of the Marble-leaved Queen Nasturtiums, containing a great number of named varieties, as well as numerous other new hybrids not yet sufficiently "fixed" in color to offer separately. Pkt. 5 cts.; 25 cts. oz.

Dwarf Nasturtiums are becoming more popular each year. No flower-garden is complete without them. They can be grown in nooks and corners to great advantage, where the tall or climbing varieties cannot be used. Their neat, compact habit of growth makes them excellent for borders, edgings, or porch-boxes.

Dwarf Nasturtiums will bloom from early summer until killed by frost. The long, stiff stems hold the flowers well above the foliage, which makes them profitable either for bedding or cutting. We have tested all of the dwarf varieties and offer to our customers in our **Sunburst Collection** what we consider the seven most beautiful separate colors as follows:

4070 **Rose.** Beautiful deep rose.

4072 **Beauty.** Yellow and scarlet.

4074 **Aurora.** Terra-cotta.

4076 **Pearl.** Amber-white.

4078 **Prince Henry.** Pale yellow, spotted carmine.

4080 **Regelianum.** Purple-garnet.

4082 **Ruby King.** Bluish rose.

If you wish to purchase any of the above separately the price is: Pkt. 5c; 20c oz.; $\frac{1}{4}$ lb. 50c.

OUR SUNBURST COLLECTION OF DWARF NASTURTiums

We are offering in this collection seven of the most beautiful colors in Dwarf Nasturtiums, as listed above.

Price Postpaid to any address at this low price..... **25 cts.**

FIVE COLLECTIONS FOR \$1

Sent to 5 different addresses if you wish

Dwarf Lilliput Nasturtiums

This charming and distinct new class has very small flowers and leaves. In growth it is very compact, bushy and dwarf, being more so in both respects than the Dwarf Nasturtiums. In colors they are most varied and rich.

Dwarf Queen (Lilliput Hybrids). A dainty type of very dwarf growth, making fine compact little bushes only about 6 inches high. The flowers, although smaller than the regular Nasturtiums, are very brilliant and are produced in a wonderful variety of shades and combinations.

4088 **Mixed Colors.** Pkt. 10 cts.; 25 cts. oz.

Mrs. Adeela Seelye, Litchfield County, Connecticut, writes: "We had and still have very beautiful Nasturtiums from your collection of last spring. All your seeds are very fine. We had success with all of them."

The New Vogue is Rock-Gardens

YOUR garden is not complete without one. Buy our Rock-Garden Collection on page 5 and start now. A leaflet, "How to Build a Rock-Garden," is free. Ask for it.

Sow some annuals for blooms before the hardy ones become established.

DWARF NASTURTiums ARE GOOD

Livingston's Tall Nasturtiums ×

A Specialty With Us

For many years we have made a **specialty of Nasturtiums**, devoting great care to selecting, improving, and hybridizing them. The result of our labors offers to our many customers this **Perfection Collection of Giant-flowering Nasturtiums**, which we unqualifiedly believe to be the **grandest collection of Nasturtiums ever offered**. It contains seven giant-flowered kinds, each a distinct and beautiful color. They grow easily, bloom freely, and from early summer until killed by frost are a mass of beautiful flowers, mammoth in size and gorgeous beyond description. Our **Perfection Collection** includes the following seven separate kinds.

4040 **Giant Golden Yellow.** Mammoth flowers, frequently $3\frac{1}{2}$ inches in diameter.

4042 **Giant Rose.** A most desirable variety, with flowers of a soft rosy pink color; foliage light green.

4044 **Giant Cream and Pink.** Extremely large flowers; the daintiest of all Nasturtiums.

4046 **Giant Lemon and Rose.** Grand, extra-large flowers of clear pale lemon color, varying to bright yellow and rose.

4048 **Giant Deep Crimson.** The deepest and richest of all dark red Nasturtiums. The foliage is dark green.

4050 **Giant Striped Hybrids.** A gorgeous strain of brilliantly striped beauties of various shades and tints.

4052 **Giant Brilliant Scarlet.** A glowing, flaming scarlet, intense and vivid; the largest of its color.

If wanted in separate colors, pkt. 5 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 50 cts.

We strongly recommend everyone who desires truly **Giant-flowered Nasturtiums** to try our **Perfection Collection**. See offer above at right.

4060 Livingston's Top-Notch Mixture Giant-flowering Nasturtiums

A wonderful diversity of rich colors and new and striking combinations, containing shades of yellow, rose, scarlet, orange, lemon, bronze, maroon, ruby, cream and pink, both in solid colors and mottled and striped in many showy and exquisite ways. We unhesitatingly offer our new Giant-flowering Nasturtiums as absolutely the finest. Pkt. 10 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 50 cts.; \$1.35 lb.

Tall Mixed

4054 **Mixed Tall Nasturtiums.** There is no flower of which you need seed in larger quantities for liberal planting than Tall or Climbing Nasturtiums. For the low price, this mixture is very choice. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 40 cts.; \$1 lb.

Madam Gunther Hybrid

These are of French origin, and for rich and striking colors are not surpassed by any climbing Nasturtiums.

4056 **Mixed Colors.** Pkt. 5 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 50 cts.

PERFECTION COLLECTION GIANT-FLOWERING NASTURTIIUMS

In order to assure a large sale and general planting of these Nasturtiums we make this astonishing offer:

7 Packets as listed at left post-paid to any address..... **25 cts.**

FIVE COLLECTIONS FOR \$1.00

Sent to separate addresses if you wish



Specimens from Our Top-Notch Mixture

Morning-Glories ×

- 4002 **GIANT IMPERIAL JAPANESE.** One of the most valuable and popular annual climbers introduced in years. This strain of mammoth-flowering Morning-Glories is most justly celebrated for the beauty of both flowers and foliage. Magnificent in size and bloom—4 to 6 inches across. The great variety of rich and delicate colors, tints and markings is wonderful. Our mixture of seed of these is superb. Pkt. 10 cts.
- 4004 **Finest Mixed Japanese.** Very choice strain; flowers large, and in greatest variety of colors and shades. Pkt. 10 cts.; 30 cts. oz.; $\frac{1}{4}$ lb. 90 cts.
- 4006 **Fancy Fringed Japanese.** This is a splendid mixture, made up exclusively from the best fringed varieties. The range of color is very great and fringed-edged blooms very beautiful. Pkt. 10 cts.; 40 cts. oz.; $\frac{1}{4}$ lb. \$1.25.
- 4000 **Convolvulus major.** These Morning-Glories are the old-fashioned favorites that everybody loves. No climber is more useful, as they grow so quickly and cling to anything. Splendid mixed with other vines, especially nasturtiums. Our mixture contains all the choicest and brightest sorts. Pkt. 10 cts.
- 4008 **Brazilian (*Ipomœa setosa*).** This desirable climber makes a thick, dense growth of great lobed leaves, and is brilliant, with an endless profusion of immense clusters of rose-colored flowers, with a satiny pink star in the center of each. Pkt. 10 cts.; 40 cts. oz.

Dwarf or Bedding Morning-Glories

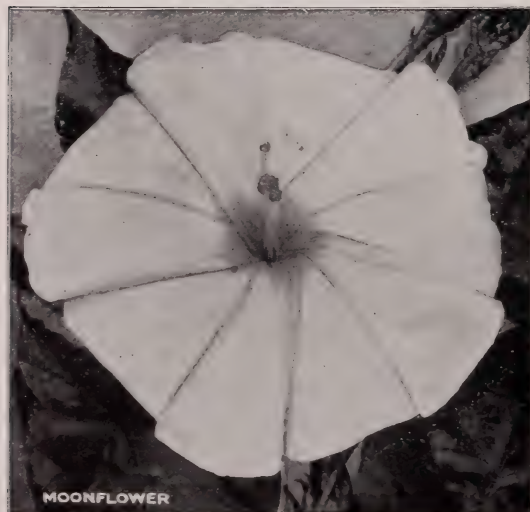
- 4010 **Choice Mixed.** A very large assortment of these richly colored favorites. Pkt. 10 cts.; 35 cts. oz.

Myosotis (Forget-me-not)

The Forget-me-not is an old favorite, hardy perennial, bearing clusters of star-shaped flowers. Succeeds best in a moist, shady situation, and blooms the first year from seed sown early. Sow seed in autumn, flowers in early spring.

- 4020 **Palustris** (True Forget-me-not). Beautiful blue. Height, 6 inches. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 4022 **Alpestris.** Bright blue. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 4026 **Alpestris rosea.** Pink. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.
- 4024 **Semperflorens.** Splendid dwarf Forget-me-not; will thrive in sun or shade, covered from early to late with beautiful blue flowers. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 4030 **Finest Mixed.** A mixture of all the finest sorts. Pkt. 10 cts.

MRS. F. D. LEWIS, Washington County, Penna., writes: "I planted your seeds last year and was so pleased. Your special mixture of Sweet Williams are the finest I have ever grown, some double and the finest colors I have ever seen. My Shasta Daisies and Hardy Garden Pinks are wonderful. They thrived on the hot, dry summer of last year and grew all winter under straw."



MOONFLOWER



GIANT JAPANESE MORNING GLORIES

Nigella (Love-in-a-Mist) ×

A very popular, old-fashioned flower, free-flowering, with finely cut foliage surrounding the curious-looking flowers and seed-pods. Easily grown from seed.

- 5006 **Mixed.** Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.

Nicotiana (Sweet-scented Tobacco) ×

5000 **Affinis.** A very popular sort; its flowers are pure white and deliciously fragrant. Always in bloom. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

5002 **Sanderæ.** This beautiful hybrid Nicotiana forms bushy, much-branched plants 2 feet high, the whole plant laden from base to summit with hundreds of handsome carmine-red, fragrant blossoms. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

C. HENRY SEEGER, Baltimore, Maryland, writes: "I have been pleased with your good seed and courteous service."

Moonflowers (*Ipomœa noctiflora*) × =

Annual climbers of rapid growth. For covering old walls, trellises, arbors or stumps of trees. The seed should be lightly cut at the end and soaked over night before planting.

- 4012 **Northern Light.** The earliest blooming of all the Moonflowers. Its lovely pink flowers are produced by the thousands all summer and fall. Pkt. 10 cts.; 40 cts. oz.; $\frac{1}{4}$ lb. \$1.
- 4014 **WHITE SEEDED.** Large in flower, firm in texture, and very fragrant. It bears in graceful profusion its immense, lovely, white flowers, 5 to 6 inches in diameter, with a five-pointed star in the center. Pkt. 10 cts.; 40 cts. oz.
- 4016 **Cross-Bred or Hybrid.** A variety of great value for the North, as it is in bloom a month earlier than the above. Flowers are pure white. Height, 20 to 40 feet. Pkt. 10 cts.; 40 cts. oz.

Our flower seed collections are great bargains. (See inside front cover.) Don't fail to include some of them in your next order to us. We are sure you will be more than pleased.

Livingston's Mammoth Pansies ×

From Best American and European Specialists



Swiss Giant Pansy in Natural Size

5020 SWISS GIANTS, MIXED. Swiss Giants are of recent introduction, coming direct from Switzerland. This mammoth **New** strain, often measuring $3\frac{1}{2}$ inches across, is composed of well-rounded, perfectly shaped flowers, thick velvety petals, with a wide range of colorings and markings. It includes the richest reds, coppers, bronzes, and yellows, together with the delicate rose-pinks and those beautiful light blues so much desired in Pansies. One of the outstanding features of this wonderful strain is that the long, stiff stems hold the flowers well above the foliage; and the fact that the blooms retain their size almost throughout the season, makes it most valuable as a cut-flower as well as for bedding. Pkt. 35 cts.; \$1 $\frac{1}{8}$ oz.; $\frac{1}{2}$ oz. \$1.75.

5024 LIVINGSTON'S SPECIAL FLORIST'S MIXTURE. This mixture has been carefully prepared to meet the florist's need. It contains only our finest large-flowering sorts in the light and dainty shades. Mammoth in size, exquisite in coloring, and perfect in form and texture. Pkt. 15 cts.; 60 cts. $\frac{1}{8}$ oz.

5010 LIVINGSTON'S EXTRA-FANCY MIXTURE. In this magnificent mixture of mammoth-flowering Pansies the blossoms are borne on long stems and are distinguished for their gorgeous and varied colorings and beautiful markings. They are of fine substance, velvety texture, perfect form, and giant size, frequently measuring 3 inches in diameter. An unequalled collection of all the finest types. The best, handsomest and most perfect giant-flowering varieties. Pkt. 25 cts.; 90 cts. $\frac{1}{8}$ oz.; $\frac{1}{2}$ oz. \$1.50.

5022 GIANT RUFFLED MASTERPIECE. A remarkable type, the border of each petal being conspicuously curled and undulated, which gives the flower a double or globular appearance. The large blooms are beautifully blotched. Pkt. 15 cts.; 35 cts. $\frac{1}{8}$ oz.; $\frac{1}{2}$ oz. 60 cts.

Giant Pansies in Separate Colors

We are offering Giant Pansies in separate colors, that you may perfect your color scheme with these dainty flowers.

	Pkt.		Pkt.
5026 Giant Red	\$0 10	5032 Giant Black	\$0 10
5028 Giant White	10	5034 Giant Yellow	10
5030 Giant Blue	10	5036 Giant Purple	10
Giant Six Pansy Collection. This collection contains 1 pkt. each of the above Giant-flowering Pansies for 50c			

Use POMO-GREEN, the new leaf-green fungicide.

See page 78

All our strains are from the most noted seed stocks in the world, and we know they cannot fail to give the most unbounded satisfaction to amateurs and professional growers. Sow in the house, hotbed, or greenhouse; or as soon as the weather permits, the seed may be sown directly in the garden bed. Pansies thrive best in a rich soil and cool, moist situation; they do splendidly in partially shaded places. They do not do well under trees, but in some locations where the sun strikes only part of each day the most satisfactory results can be obtained. Seeds sown from July to September and the young plants transplanted into coldframes for the winter, will bloom very early the following spring.

Prices by ounce or larger quantities will be quoted upon application. Leaflet on the culture of Pansies free to customers

5012 LIVINGSTON'S GIANT TRIMARDEAU MIXTURE. These are among the largest flowered of all Pansies. This splendid mixture is a blended combination of Giant-flowering Pansies. A most showy class of robust and very compact growth. It contains all colors and will prove a delightful surprise because of their great size. The flowers are carried well above the leaves, on long stems. Pkt. 10 cts.; 60 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.

5014 Orchid-flowered. A mixture of exquisite shades. Orchid-flowered Pansies are not so large as some of our Giant strains; but they will appeal by their exquisite coloring and the elegant shape of their flowers. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.; $\frac{1}{2}$ oz. 60 cts.

5040 BEDDING PANSIES. These are among the prettiest of the Pansies, and are valuable for making beds where the size of the flowers do not count so much. They are very floriferous, and the range of colors is very good. They will make a rich display. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{2}$ oz. 30 cts.

[IT IS EASY TO ORDER FROM US]
[You have no postage to figure on seed. We pay it. See page 1]



Giant Ruffled Masterpiece

Livingston's Finer Petunias ×

MOST EFFECTIVE FOR OUTSIDE DECORATION

Large-flowering Petunias

All Large-flowering and Double Petunias should be started indoors and transplanted. About 40 to 60 per cent of Double Petunia seed makes double flowers. Give the small, weak plants great care; they make the finest bloom.

5052 **Theodosia.** The all-purpose single ruffled Petunia. Color is a rosy pink, with a golden throat which contains minute stripes. It is a wonderfully free bloomer and is adapted for either bedding or pot-culture. Pkt. 25 cts.; \$1.50 $\frac{3}{4}$ oz.

5054 **Livingston's Superb Single Mixed.** Flowers most varied in colors and markings, beautifully ruffled, fringed and of enormous size. Pkt. 15 cts.; 60 cts. 1/64oz.; $\frac{3}{4}$ oz. \$1.

5056 **Dwarf Giants of California.** A dwarf, sturdy-growing type especially suited to pot-culture. Beautifully ruffled and fringed, with open, well-marked throats. A mixture of most desirable colors. Pkt. 20c.

5058 **Giants of California.** These Petunias are of great beauty and luxuriance, including fringed and deep-throated sorts in endless variety of colors. Pkt. 15 cts.

5060 **Coppery Red.** Very attractive new shade having giant ruffled flowers. Pkt. 25 cts.

5062 **Ruffled Giants.** The flowers of this strain are of extraordinary size and great substance. Pkt. 25 cts.

5066 **Livingston's Superb Double Mixed.** Our best mixture of all the large-flowering double varieties including striped, blotched and fringed sorts. Pkt. 25c.

5070 **Pride of Portland.** A deep rose-pink with throat varying from white to rich yellow. Pkt. 20 cts.



LIVINGSTON'S ELITE MIXTURE OF SINGLE PETUNIAS

5050—So much interest is being displayed in Petunias at the present time that we have prepared for our customers, in this splendid mixture, a combination of the large, deep-throated varieties, together with those beautiful fringed and ruffled sorts of dainty colors and markings; also the deep blood-reds (nearly black) and the exquisite rose-pinks, some with yellow borders. We are sure all will be delighted with this wonderful mixture. Pkt. (about 100 seeds) 25 cts.; \$1, 1/64oz.

Petunias are among the most popular annuals on account of their ease of cultivation and freedom of blooming, succeeding everywhere and giving a constant supply of flowers from June to October. They are also good house plants, flowering freely in a sunny window. Seed can be sown in the open ground early in the spring or in a hotbed or coldframe, to be transplanted later to beds or borders.

Balcony Petunias

The Balcony Petunias are, perhaps, the most floriferous of all and can be depended on to give an unsurpassed floral effect throughout the summer and fall. They are most effective when used among rock-work, on dry banks, or for window- or porch-boxes, but do equally well when used as a border or for bedding.

Those listed below are most beautiful. The flowers are a solid color without veinings or markings, and covered with a rich velvety sheen.

5090 **White.** Pure white. 5094 **Red.** Very brilliant.
5092 **Rose.** Bright rose, 5096 **Blue.** Rich shade.
white throat. 5098 **Mixed.** All colors.

Price of above, each, pkt. 15 cts.; 35 cts. 1/16oz.

Bedding Petunias

5064 **Rosy Morn.** A soft carmine-pink with white throat. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

5065 **Bluebird (Violacea).** Dwarf, compact, bushes and small, violet-blue flowers. A fine companion to Rosy Morn. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

5068 **Rose of Heaven.** A compact grower, darker than Rosy Morn. It is a rich bright rose with inconspicuous white throat, a free bloomer. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.

5072 **Howard's Star.** The beautiful five-petaled blooms have star-shaped markings of bluish-pink or white over maroon ground. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.

5074 **Striped and Blotched.** A most beautiful strain of Petunias for bedding and massing. Our mixture contains an endless variety of colors. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.

5080 **Finest Mixed.** A choice mixture of colors and shades. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

Primula (Primrose) ÷

The ease with which Primroses can be grown from seed makes them very popular window plants. For a succession of blooming plants sow the seed from March to May, and again in July or August; in planting, cover the seed lightly, and keep moist. Transplant when the second leaf appears, and keep repotting the plants as they grow and increase in size. Height, $\frac{1}{2}$ to 1 foot.

6060 **Obconica grandiflora, Large-flowering Hybrids.** Lovely and profuse blooming Primrose, bearing on long stems large heads of beautiful flowers, white, tinged lilac and rose shades. Pkt. 10 cts.; 75 cts. $\frac{3}{4}$ oz.

6062 **Muller Mohnstein.** Mixture of rose and dark red. Large flowers. Pkt. 75 cts.

Hardy Primrose ○

Requires partial shade; fine for Rock-Garden.

6064 **Veris, Mixed.** Large golden yellow flowers. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

6065 **Vulgaris. Canary Yellow.** Very fragrant. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 60 cts.

PETUNIAS ARE VERY DECORATIVE AGAINST GREEN SHRUBBERY



GIANT SHIRLEY POPPIES

6032 Single and Double Annuals Mixed. These are considered by many the most charming Poppies in cultivation. The individual flowers are large and elegant, mostly single blooms, some semi-double and double ones, often measuring 3 to 4 inches across. The petals are fluted and crinkled and in the sun appear like crumpled satin. The exquisite colors range from purest white to the deepest of blood-red, through all the shades and combinations of pink, rose, crimson and carmine. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 50 cts.

Perennial Poppies

There are no flowers more ornamental and useful in our gardens than the various varieties of hardy Poppies. Once started they increase in size and beauty each succeeding season.

6038 Iceland (*Papaver nudicaule*). These Poppies are perfectly hardy and in bloom from June until frost; beautiful satin-like flowers of every shade of yellow, white, and orange-scarlet. Plants grow about 1 foot high, forming tufts, from which the flower stems issue most profusely. Very useful for cut-flowers. Easy to grow. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

6040 Double Mixed Iceland. This splendid mixture of double-flowering varieties you will find very superior. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

6042 Large Oriental. Perhaps the most popular variety in cultivation, the sturdy plants growing about 3 feet high. Its color, a dazzling scarlet with coal-black blotches, is grand. For gorgeous effect, nothing can equal them in perfectly hardy plants. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

6046 Princess Victoria Louise. Oriental. Beautiful salmon-pink. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

The Old-fashioned Flower with New Popularity

The recent development of these old-fashioned flowers has brought them into great and deserved popularity. No flower in our garden affords a more pleasing display of gorgeously brilliant coloring during the blooming season. Poppies of the different varieties grow about 2 feet in height, except as noted.

Double Annual Poppies

6026 Peony-flowered, Mixed. Showy, double, globular flowers, almost equal to peonies. Our mixture contains the finest colors. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 50 cts.

6028 Carnation-flowered, Mixed. Large double flowers, showy and beautifully fringed. Mixture is unequalled for dazzling richness and great variety of colors. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 50 cts.

6030 LIVINGSTON'S GIANT DOUBLE MIXED. A mixture of beautiful double Poppies, including only the improved double, giant-flowering kinds of the richest and brightest colors, as well as the daintiest and softest tints. When grown in masses it is brilliant beyond description. The plants are sturdy, thrifty growers, from 2 to 3 feet high, producing immense flowers, sometimes 4 inches in diameter. Sow the seeds in the early spring in sandy soil. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.; oz. 50 cts.

Single Annual Poppies

6034 American Legion. In this variety we have one of the most beautiful of all Shirley Poppies. A brilliant orange-scarlet with yellow antlers. Very large, free-flowering sort. Beautiful beyond description. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 30 cts.

6036 Tulip Poppies. Large and splendid single flowers of the most dazzling scarlet. The two outer petals resemble a saucer, in which are set two erect petals of the same color. Pkt. 10 cts.; 30 cts. $\frac{1}{4}$ oz.



Livingston's Oriental Hybrids

6044 LIVINGSTON'S ORIENTAL HYBRIDS, Perennial Mixture. Enormous flowers, sometimes more than 6 inches in diameter. Colors include shades of cherry, salmon, darkest red, vivid crimson, and innumerable others equally fine. Our mixture contains them all. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

USE POPPIES FOR AN ORIENTAL ATMOSPHERE



Phlox

"TRUE BLUE" SEED—NONE BETTER

Pyrethrum. (Feverfew)

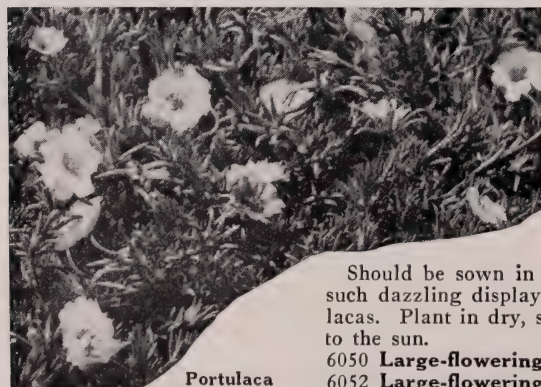
Most attractive hardy perennials which have become very popular. Valuable border plants with many stems about 2 feet high, each surmounted with handsome flowers in the brightest shades of rose, flesh-pink, crimson, etc. In bloom a long time, and are splendid as cut-flowers.

- 6070 **Roseum.** Bright rose. Pkt. 25 cts.; 60 cts. $\frac{1}{8}$ oz.
- 6072 **Album.** White. Pkt. 25 cts.; 60 cts. $\frac{1}{8}$ oz.
- 6074 **Atrosanguineum.** Blood-red. Pkt. 25 cts.
- 6076 **Single Hybrids, Mixed.** Pkt. 15 cts.; 40 cts. $\frac{1}{8}$ oz.
- 6077 **Double Mixed.** Pkt. 25 cts.; 50 cts. $\frac{1}{8}$ oz.
- 6078 **Double and Single Mixed.** Pkt. 20 cts.

Ricinus. (Castor-Oil Bean) X

Planted in or around your garden, it keeps Moles away.

- 6080 **Zanzibarensis.** Plants attain great dimensions—12 to 14 feet. Pkt. 5 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 50 cts.
- 6082 **Bourboniensis.** A standard variety. Height, 10 to 15 feet. Pkt. 5 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 50 cts.
- 6084 **Cambogensis.** Main stem and leaf-stalks shining ebony-black. Foliage assumes various shades. Height, 5 feet. Pkt. 5 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 50 cts.
- 6086 **Gibsoni.** Compact-growing variety of branching habit. Deep red leaves. Height 5 feet. Pkt. 5 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 50 cts.
- 6088 **Livingston's Mixture.** Unsurpassed for elegant blending. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 40 cts.



Portulaca

Phlox (Annual)

For a splendid mass of color and a constant display, *Phlox Drummondii* is not excelled by any other annual. It has every desirable quality for this purpose and for beds, edgings and massings nothing can surpass it. Seed may be sown in the open ground any time after danger from frost is past.

- 6002 **LIVINGSTON'S PRIZE MIXTURE.** Pkt. 15c; 25c $\frac{1}{8}$ oz.
- 6000 **Drummondii, Mixed.** Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.
- 6004 **Bright Rose.** Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 6006 **Brilliant Scarlet.** Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 6008 **Crimson.** Brilliant. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 6010 **Pure White.** Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 6012 **Yellow.** Distinct. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 6014 **Mixed Star-Shaped.** Long, pointed petals, which give a star-like appearance. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.
- 6018 **HARDY PERENNIAL, MIXED** (*P. decussata*). Hardy herbaceous perennial and quite distinct from the varieties above. Seed is slow to germinate. Seedlings may not appear for a year. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.

PLATYCODON (Chinese Bellflower).# Very handsome perennial border plant of the campanula family. The flowers in bud have the appearance of inflated balloons.

- 6020 **Grandiflora, Mixed.** Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.



Pyrethrum

5998 **PHYSALIS Franchetti.**# (Chinese Lantern Plant). Grows 18 inches high, has yellow flowers with dark center. The second year it has bright red balloon-like husks resembling Chinese lanterns. Grow some for winter bouquets. Pkt. 10 cts.

6079 **RANUNCULUS, Asiaticus.**○ (Buttercup). Flowers in May, grows 6 to 12 inches high. Variable coloring and generally double. Will bloom from seed first year if sown early. Valuable as cut flowers or in the hardy border. Pkt. 25 cts.; 60 cts. $\frac{1}{8}$ oz.

Portulaca. (Sun Plant) X

Should be sown in every garden. Scarcely any annual in cultivation makes such dazzling display of beauty as a bed of highly colored, many-hued Portulacas. Plant in dry, sandy soil, as soon as it becomes warm, with full exposure to the sun.

- 6050 **Large-flowering Single Mixed.** Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.
- 6052 **Large-flowering Double Mixed.** Pkt. 15 cts.; 40 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 75 cts.



Saxifraga (Adapted to Rockeries)

6156 **SAXIFRAGA, Mixed.**○ Grows about 1 foot high. Has masses of handsome, broad, deep green foliage. The pink and white flowers appear early in the season. Adapted to rockeries. Pkt. 15 cts.; 60 cts. 1/32oz.; 1/8oz. \$1.

6157 **Saxifraga, Mossy Varieties Mixed.**○ A mixture of best moss varieties for rock gardening. Pkt. 25 cts.; 60 cts. 1/64oz.; 1/32oz. \$1.10.

Salvia (Flowering Sage) ×

Very ornamental plant for summer and autumn flowering, and continues to bloom in the open ground until hard frosts, forming compact bushes which are literally ablaze with brilliant flowers. The plants may be started in a box in the house or in the hotbed, and when the weather becomes warm transplant in the garden. Height, 1½ to 3 feet. (See illustration.) May be used as a hedge with striking effect.

6090 **SPLENDENS GRANDIFLORA** (Scarlet Sage). Gorgeous plants; numerous spikes of intensely vivid scarlet flowers 10 to 12 inches in length. Continues to flower profusely all summer and fall; of easy growth. The most popular in cultivation. Pkt. 10 cts.; 40 cts. 1/8oz.

6092 **BONFIRE.** Plants form healthy bushes about 2 feet high by 2 feet across. Spikes grow erect and stand clear above the foliage, completely covering the plant, and are of a most brilliant, dazzling scarlet. One of the finest sorts. Pkt. 10 cts.; 50 cts. 1/8oz.

6094 **AMERICA (Globe of Fire).** A free, continuous bloomer. The uniformity in habit of growth makes it valuable for bedding or planting in line. Height, 1½ feet. Pkt. 15 cts.; 90 cts. 1/8oz.

6096 **Zurich.** Compact-growing sort, forming handsome, symmetrical bushes, 15 to 18 inches tall, which are completely covered with scarlet flower-spikes. A little beauty. Pkt. 10 cts.; 75 cts. 1/8oz.

Scabiosa ×

Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower

The seed can be sown any time in the spring after danger from frost is past. The plants grow about 2½ feet high and come into bloom early in June, continuing without interruption until the hard frosts of autumn. The exquisite double flowers are borne on very long stems, and when cut keep in perfect condition for a week.

6132 LIVINGSTON'S IMPROVED LARGE-FLOWERING.

Finest Mixed. A very fine mixture, containing all the finest large-flowering double sorts. Pkt. 10 cts.; 20 cts. 1/8oz.

	Pkt.	1/8oz.
6114 SHASTA. A pure glistening white	\$0 15	\$0 30
6116 Azure Fairy. Exquisite sky-blue	10	20
6118 Fiery Red. Very striking	10	20
6120 Snowball. Double; white flowers	10	20
6122 Golden Yellow. Very fine color	10	20
6124 Flesh. Deeply flushed	10	20
6126 Lilac. One of the best	10	20
6128 Cherry-Red. Magnificent	10	20
6130 Black Prince. Exceedingly attractive	10	20

Collection: Scabiosas, 9 separate colors above, 75 cts.

6136 **CAUCASICA, Hardy.** Grand hardy perennial, 3 feet high; large lilac-blue flowers; splendid for cut-flowers. Pkt. 10 cts.; 30 cts. 1/8oz.; 1/4oz. 50 cts.

6138 **Caucasica, Isaac House Strain.**# Improvement over Caucasica. More vigorous, stronger and longer stems and larger flowers, all ruffled and frilled. A large color range. Pkt. 20 cts.; 40 cts. 1/8oz.; 1/4oz. 75 cts.

6150 **SENSITIVE PLANT.**× A pretty and curious annual plant. The leaves and footstalks close and droop at the slightest touch, or during cloudy, damp weather. Pkt. 10 cts.

Salpiglossis (Painted Tongue) ×

6100 **Mixed.** The Salpiglossis is one of the most popular and favorite annuals. Especially is it noted for its beautiful, almost orchid-like blooms. Our mixture is unsurpassed, containing every desirable color and shade of the large-flowering varieties. Height, 1½ feet. Pkt. 10 cts.; 20 cts. 1/8oz.; 1/4oz. 35 cts.

6110 **SANVITALIA procumbens, Double, Mixed.**× Sometimes called creeping miniature Zinnia. A dwarf annual of compact growth with showy bright yellow, double flowers all summer. Pkt. 10 cts.; 30 cts. 1/8oz.; 1/4oz. 50 cts.

6112 **SAPONARIA, Ocymoides Splendens.**○ A very showy dwarf trailing rock plant. Masses of bright rose flowers. 9 inches. Pkt. 10 cts.; 30 cts. 1/8oz.; 1/4oz. 50c.

6166 **SMILAX**÷= Charming, tender, perennial climber for house or greenhouse. Pkt. 10 cts.; 20 cts. 1/8oz.



Salvia is Fine With Green Shrubbery

Livingston's Choice Sweet Peas

OUR SPECIAL PRIDE

Since the introduction of the Spencer Sweet Pea, in 1904, there has been a most remarkable improvement in this flower. Renewed interest has naturally come since we have learned the secret of growing them with long stems usually carrying four or five gigantic blooms, beautifully waved and frilled. Anyone, anywhere can grow them by following a few simple rules. If possible, prepare your soil in the fall, mixing in Bone-Meal or Plant Food. (Listed on page 78.) A leaflet "How to Grow Sweet Peas" which will lead to success, will be furnished with your order upon request.



Spencer Type Sweet Peas

Spencer Sweet Peas

6200 MARY PICKFORD is one of the choicest Spencer varieties. It is a sturdy grower, producing an abundance of four-flowered sprays on long, stout stems. A beautiful light and dainty cream-pink, with just the faintest suffusion of salmon, making the color combination difficult to equal. The flowers are perfectly formed, with both standards and wings decidedly waved, and the keel blends nicely with the coloring of the entire flower. Pkt. 15 cts.; 40 cts. oz.

6202 CAMPFIRE. *New.* The brightest scarlet sunproof Sweet Pea ever offered. The flowers will stand the hottest sunshine, in fact, the brighter the sun the better the color. Are of fine size and borne in profusion on plants of great vigor. Pkt. 15 cts.; 35 cts. oz.

6204 KING EDWARD. Undoubtedly this is the largest and best scarlet Sweet Pea to date. The wings are carmine-scarlet, with the reverse side rosy carmine. Pkt. 10 cts.; 30 cts. oz.

6206 ASTA OHN. The very finest lavender Spencer Sweet Pea grown. Comes remarkably true to type, producing the elegant, bold, wavy flowers in greatest profusion. Pkt. 10 cts.; 30 cts. oz.

6208 WHITE. This is, without doubt, the largest and most magnificent white Sweet Pea ever introduced. The vines are almost completely covered with mammoth flowers. It is without a rival among white Sweet Peas. Pkt. 10 cts.; 30 cts. oz.

6210 HERCULES. A giant Countess Spencer. The large, well-formed flowers are magnificent and the color beautiful, being a bright clear pink on white ground. One of the best. Pkt. 10 cts.; 30 cts. oz.

6212 GEORGE SHAWYER. This superb variety is a grand, gigantic, orchid-flowering Spencer. The flowers are well waved, of fine form, with standard orange, shaded salmon, and wings of a pure salmomy rose, which makes it most beautiful. Pkt. 10 cts.; 30 cts. oz.

6214 HAWLMARK PINK. An exceptionally free-flowering, vigorous grower of excellent habit. Undoubtedly one of the finest varieties now in cultivation. The color is a rich bright rose-pink, deeply flushed and shaded salmon. Pkt. 10 cts.; 30 cts. oz.

6226 KING WHITE. It is remarkable for the "glistering immaculate purity of the whiteness" and the perfect finish of the flower. While of truly gigantic proportions, the flowers are most exquisitely finished in every detail. The grand flowers are borne almost invariably in "fours." Pkt. 10 cts.; 30 cts. oz.

6228 ILLUMINATOR. It might be described as a rich, glowing cerise-salmon, with an indication of bright orange suffusion. Pkt. 10 cts.; 30 cts. oz.

6232 VALENTINE. The large, well-formed flowers are of an attractive deep blush-pink color. Beautifully waved and well placed on stout stems. Pkt. 10 cts.; 30 cts. oz.

6234 PINKIE. A large and very vigorous sort. Color is a rich rose pink. Considered the finest in its class. Pkt. 10 cts.; 30 cts. oz.

6216 ROYAL SCOTT. A true orange-cerise-scarlet. A very strong grower, producing freely four-flowered stems. No other Sweet Pea approaches it in brilliancy of color. Pkt. 10 cts.; 30 cts. oz.

6218 WARRIOR. Flowers are very large and of fine form. The color is a rich deep maroon. Those who like the dark shades will appreciate this color. Pkt. 10 cts.; 30 cts. oz.

6220 MRS. TOM JONES. A real azure-blue, beautifully waved; exceedingly attractive. Pkt. 10 cts.; 30 cts. oz.

6222 ROYAL PURPLE. The best purple Spencer Sweet Pea. The color is near "royal" purple and deepens and improves as the flowers age, which is a good point in a purple variety. Pkt. 10 cts.; 30c oz.

6224 MARGARET ATLEE. A rosy salmon-pink on a creamy buff ground—a rich soft color, and extremely attractive both as individual flowers and in the bunch. Pkt. 10 cts.; 30 cts. oz.

OUR LEAFLET ON ROCK-GARDENING—FREE ON REQUEST

Spencer Sweet Peas --- Continued

31

Livingston's Special Spencer Mixture

This superb mixture is our special pride. During the several years we have sold it, it has been our constant aim to improve and perfect it. The different sorts contained in this mixture are grown separately, so that we have an opportunity to choose only the largest and most beautiful varieties. These we mix ourselves in proper proportions for the most brilliant effect. It embraces the finest Spencer varieties, as well as the latest novelties, and will produce a great abundance of giant flowers of beautiful colors. Some are edged, mottled, blended, flaked and striped. Without exception, this is the very finest mixture it is possible to make. We recommend the buying of these seeds by weight and planting liberally for best results.

6244 **Special Mixture.** Pkt. 10 cts.;
35 cts. oz.; $\frac{1}{4}$ lb. \$1.

Spencer Mixed

Many of the best named sorts, also some rare new hybrids in lavender, blue, striped, mottled, purple, maroon, and many other shades, are included in this good mixture. All flowers are of large size, typically frilled and waved, and very lovely.

6240 **Mixed.** Pkt. 10 cts.; 30 cts. oz.; $\frac{1}{4}$ lb. 80 cts.

Livingston's Special Collection of Spencer Sweet Peas

- 6200 **Mary Pickford.** Dainty cream pink.
- 6202 **Campfire.** Brightest scarlet.
- 6206 **Asta Ohn.** Finest lavender.
- 6212 **George Sawyer.** Orange, shaded salmon.
- 6220 **Mrs. Tom Jones.** A real azure-blue.
- 6222 **Royal Purple.** The best purple Spencer.
- 6226 **King White.** Pure white.

**Seven Liberal Packets for 50 cts.,
Postpaid**

The above varieties are fully described on page 30
If purchased separately this collection would cost 80c

Livingston's Gilt-Edge Mixture of Grandiflora Varieties

This is a very superior mixture, made up of over 50 of the finest named varieties of this older type. All are bright colors.

6248 **Gilt-Edge Mixture.** Pkt. 5c; 15c oz.; $\frac{1}{4}$ lb. 45c.

Hardy Sweet Peas (*Lathyrus latifolius*)

Showy, free-flowering perennial. Blooms continuously from early spring until midsummer. Although lacking fragrance, they are very valuable because they will last almost indefinitely. A very vigorous grower, often growing 8 to 10 feet, and bearing large clusters of beautiful flowers.

6274 **White.** Pearly white. 6278 **Red.** Reddish purple.
6276 **Pink.** Rich rose-pink.

Above separate colors, pkt. 15 cts.; 50 cts. $\frac{1}{4}$ oz.
6280 Mixed. All colors mixed. Pkt. 15 cts.; 40c $\frac{1}{4}$ oz.

Use **Nod-O-Gen** to inoculate your Sweet Peas. See page 75. No. 9 is the right kind. Small bottle, 50 cts., postpaid.

Du Bay Seed Disinfectants make good seeds grow better. See page 75.



Extra
Early
Flowering
Sweet Pea

Extra-Early Flowering Spencers

It has been the opinion of some that this class of Spencers does well only under greenhouse culture, but this is a mistaken idea. The Extra-Early Flowering type does equally well outside, the only difference being that the blossoms are just a very little smaller. By planting the Standard Spencer and Extra-Early Flowering in our trial-grounds at the same time, we found that the latter was in full bloom fully two weeks ahead of the Standard Spencers. In selecting to this early type, we have not lost any of the Spencer characteristics. Three, and quite often four, large blooms are borne to the stem, the same as with the Standard or Late Spencer. These Extra-Early Sweet Peas are a real addition to the garden of those who want flowers early.

	Pkt.	Oz.
6250 Glitters. Cerise-scarlet.....	\$0 15	\$0 60
6252 Harmony. Clear lavender.....	15	60
6254 Torch. Salmon-orange.....	15	60
6256 Zvolanek's Pink. Rose-pink.....	15	75
6258 Superior Pink. Rose-pink.....	15	75
6260 Burpee's Orange. Best in this color.....	15	75
6262 Blue Boy. A clear blue.....	15	60
6266 White Harmony. Black-seeded.....	15	80
6268 Early Aviator. Glowing crimson.....	15	60
6270 Mixed	15	50

Mrs. Effie Moyer, Northumberland County, Pa., 3/13/31, writes: "Just a few words in regard to the sweet peas. They are wonders. Never had such gorgeous flowers. Four and five on one stem and large ones, too."

TRY OUR NEW NASTURTIUM—GOLDEN GLEAM



6284—Livingston's Miracle Mixture of Sweet Williams

An improved strain with exceptionally large, symmetrical heads, of every conceivable color and shade, from white through the different shades of pink to the deepest blood-red, some flowers appearing almost black, while others show white, pink, red, and striped flowers—all on the same head. Beautiful beyond description. We offer it in mixture only. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

Schizanthus. (Butterfly Flower) X

6140 **Mixed.** Popularly called the "Poor Man's Orchid." It grows from 1 to 1½ feet tall, with fine fern-like foliage, begins to flower early and produces masses of oddly marked and queerly shaped blooms in various shades of blue, purple, and pink, and some pure white. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.

SNAPDRAGON. See Antirrhinum, Page 10.

Statice (Annual)

Statice is one of the finer flowers for winter bouquets. Dried and used with helichrysum and other straw flowers, it produces a beautiful effect. Is also very effective when used in the border or rockery.

	Pkt.	$\frac{1}{4}$ oz.
6180 True Blue	\$0 10	\$0 30
6182 Rosea Superba	10	30
6184 White	10	25
6186 Mixed	10	25

Sunflower (Helianthus) X

A well-known family of hardy annuals. Very showy plants, adapted to mixed borders or with shrubbery.

6190 **Miniature, Beautiful New Hybrids.** Small single flowers in great abundance; colors, creamy white, lemon and orange; indispensable for cutting. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.

6192 **Globe of Gold.** Globe-shaped, double, yellow flowers. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.

6194 **Livingston's Mixture.** A great variety of single and double sorts. Every shade of yellow is included. Pkt. 10 cts.; 15 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 25 cts.

6170 **STOKESIA cyanea** (Cornflower Aster).# A valuable hardy perennial bedding plant. Plants large, 18 to 20 inches high, with bachelor's button-like, light lavender-blue flowers, several inches in diameter, from July until late in October. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

Sweet William (*Dianthus barbatus*)

A very attractive class of easily grown and most beautiful plants of extreme richness and diversity of colors, deliciously sweet-scented. For cut-flowers they are not surpassed. Hardy perennial. Height, 1 to 1½ feet.

6286 **Holborn Glory.** This strain is a large-flowered selection of the Auricula-eyed section, but most beautiful and admired of all Sweet Williams. The individual flowers and trusses are of extraordinary size, and the range of color, all showing a clear, white eye, is superb. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

6288 **Pink Beauty.** A beautiful salmon-pink. Pkt. 15 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

6290 **Double Mixed.** This mixture you will find of very superior quality, containing all colors and shades. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

6292 **Single Mixed.** A very choice assortment of all the best single-flowering varieties. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

6294 **DOUBLE and SINGLE MIXED.** This mixture is made by blending the double and single-flowering varieties. Pkt. 10 cts.; 20 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 35 cts.

LADIES' GARDEN GLOVES

Why not have us include a pair in your order? Various kinds, reasonably priced. See pages 6 and 77

6146 **SCARLET RUNNER BEAN.** X Ornamental climber. Bright scarlet sprays of bloom, followed by edible beans. Excellent climber for porches and trellises. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.

6160 **Silene Schafta.** O A low growing (4 inches) trailing plant with bright rose flowers. Blooms from July to October. Use it for your autumn border or in the rock garden. Pkt. 15 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.



Stokesia (Cornflower Aster)

Stocks (Gilliflower) ×

Indispensable for bedding, borders, massing, or pot culture.

Large-flowering Double "Cut-and-Come-Again" Varieties

6174 **Finest Mixed.** A fine mixture of large-flowering Stocks. The perfectly double flowers embrace many colors and shades. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

6176 **Giant Perfection, Mixed.** Our very best mixture, containing the cream of the list in finest colors and producing long spikes of double flowers. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.

6300 **THUNBERGIA, Mixed.** × Rapid-growing annual climber, with pretty buff, white and orange flowers of various shades, with a dark center or eye. Adapted for vases, hanging-baskets, trellises, etc. Pkt. 10c; 35c $\frac{1}{4}$ oz.

6310 **TUNICA Saxifraga.** ○ A pretty little plant with light pink flowers, lasting all summer. Adapted to rockery or mixed border. Pkt. 10 cts.; 35 cts. $\frac{1}{8}$ oz.

6306 **TORENIA Fournieri.** × Bushy, globular plants, literally covered with lovely, rich-colored, snapdragon-like flowers of a delightful sky-blue. An excellent annual for beds, pots, or hanging-baskets. Pkt. 10c; 50c $\frac{1}{8}$ oz.

6308 **TRITOMA HYBRIDS, Early Flowering Mixed.** (Red Hot Poker). # Fine border plant. Compact flowers on strong stems 3 to 4 feet tall. Attractive colors. Perennial. Pkt. 15c; 30c $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50c.

6320 **VALERIANA** (Hardy Garden Heliotrope), **Mixed.** Showy plants; grow in any garden soil; do well in the shade. Hardy perennial; grows 2 feet high. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

VINCA (Periwinkle). × Free-flowering, bushy plants, with glossy foliage and beautiful circular flowers. In sunny situations they bloom all summer; if potted before frost, will bloom in winter. Height, $1\frac{1}{2}$ feet.

6370 **Rosea alba.** 6374 **Rosea.**

6372 **Alba.** Pure white. 6376 **Mixed.**

Any of above Vincas, pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.



Stocks

Veronica (Speedwell) ○

Good for Rock-Garden Work

Hardy herbaceous perennial of the Foxglove order. Height varies from 1 to 36 inches. Blue and white flowers. Easy culture.

6331 **Prostrata.** Trailer. Blue and white flowers. Bloom June and July. Pkt. 25 cts.; 60 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.00.

6332 **Repens.** 1 inch carpeting plant. Blue flowers. Blooms May and June. Pkt. 25 cts.; 60 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. \$1.00.

6330 **Veronica, Mixed.** Best herbaceous varieties, growing from 2 to 3 feet tall. Pkt. 10c; 30c $\frac{1}{8}$ oz.

VIOLET. # Sweet-scented Violets are easily grown from seed, and if you can plant them in a cool and moist situation, so much the better. All varieties are of great beauty.

6380 **Sweet-scented.** Violet-blue. Pkt. 10c; 35c $\frac{1}{8}$ oz.

6384 **Viola Cornuta, Mixed.** (Tufted Pansy). × # Smaller bloom than regular Pansy, but sometimes considered superior where a mass of color is desired. Pkt. 10 cts.; 30 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 50 cts.

6386 **XERANTHEMUM** (Everlasting Flowers), **Mixed.** × Very desirable. Easy to grow. Leaves covered with silvery down. Height, 2 ft. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

Livingston's Mammoth Verbenas ×

Verbenas are much more vigorous and free flowering if raised from seed than if grown from cuttings. The plants thrive in any good garden soil and are low, spreading, forming a carpet of green foliage which makes a dense background for the brilliantly colored flowers, ranging in color from snow-white, through the different beautiful shades of pink and blue, to the deepest red. The flower-heads are large, on fairly long stems. Cut the flowers as they begin to fade and they will bloom much more abundantly. Our carefully selected and improved strain produces flower-trusses of exceptional size.

6340 **Mammoth Defiance.** Bright, rich scarlet flowers.

6342 **Mammoth Blue Varieties.** Showy; very distinctive.

6344 **Mammoth Striped Varieties.** Beautiful collection.

6346 **Mammoth Pink Shades.** Brilliant shades of pink.

6348 **Mammoth Pure White.** Large trusses of purest white.

6350 **Mammoth Purple.** Deep royal purple.

Any one above, pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.

Collection: One packet each above 6 Verbenas, 50 cts.



6360 **LIVINGSTON'S MAMMOTH MIXED VERBENAS** make beds and borders of the greatest brilliancy in the garden. Enormous flowers of rich and superb colors. Contains every desirable color and shade. Pkt. 10 cts.; 25 cts. $\frac{1}{8}$ oz.; $\frac{1}{4}$ oz. 40 cts.; \$1.25 oz.

Livingston's Zinnias ×

DOUBLE DAHLIA-FLOWERED

This splendid new Zinnia has greatly increased the popularity of this flower. The plants are of strong, vigorous habit, from 2½ to 3 feet high, producing mammoth flowers 4 to 6 inches across by 2½ to 3 inches deep, very similar in appearance and form to the double Decorative Dahlia.

We offer eleven separate colors, a standard mixture, which has a wonderful color range, including all shades of pink, scarlet, crimson, yellow, orange, etc., and a special mixture made up from all the separate colors. You should by all means have a bed or border of these Zinnias this year. You will be delighted with them.

Separate Colors

- 6432 **Old Gold.** Deep orange color.
- 6434 **Golden Dawn.** Golden yellow.
- 6436 **Luminosa.** Bright rose.
- 6438 **El Dorado.** Rose on salmon.
- 6440 **Oriole.** Orange and golden bicolor.
- 6442 **Exquisite.** Tyrian-rose.
- 6446 **Polar Bear.** Pure white.
- 6448 **Crimson Monarch.** Crimson.
- 6450 **Scarlet Flame.** Bright scarlet.
- 6454 **Dream.** Deep lavender.
- 6456 **Purple Prince.** Rhodanthe-purple.

Any one of the above, each, pkt. 20 cts.; 40 cts. ½ oz.
See inside front cover for Special Collection

6464 Double Dahlia-Flowered, Mixed

A splendid mixture of the Dahlia-flowered type. Large flowers with a good color range. Will make a nice show in your garden. Pkt. 10 cts.; 25 cts. ½ oz.; ¼ oz. 40 cts.

6460 Livingston's Special Mixture, Dahlia-Flowered Zinnia

Our special mixture of this new type of Zinnia is made up from separate colors. The brilliancy of color and the giant size of the flowers will appeal to those wishing the best.
Pkt. 15 cts.; 30 cts. ½ oz.; ¼ oz. 50 cts.; \$1.50 oz.



Double Dahlia-Flowered Zinnia

Mammoth-Flowering Zinnias

This splendid, large-flowering Zinnia is very beautiful in its perfect growth. Its large size, as well as many varieties of color and shades, makes it very desirable.

- | | |
|--------------------------|----------------------------|
| 6400 Crimson. | 6406 Pure White. |
| 6402 Dark Purple. | 6408 Golden Yellow. |
| 6404 Flesh-Pink. | 6410 Scarlet. |

Any one of above, each, pkt. 5 cts.; 30 cts. ¼ oz.

COLLECTION: One pkt. each of the above 6 colors, 25c

6420 LIVINGSTON'S MAMMOTH - FLOWERING PRIZE MIXTURE. Our mixture of Mammoth-flowering Zinnias contains all the colors and shades known in this popular flower. Pkt. 5 cts.; 20 cts. ¼ oz.; oz. 50 cts.

Curled or Crested Zinnias

6470—A fine strain with large, double flowers of perfect form; petals twisted, curled and crested into fantastic and graceful forms. Pkt. 10 cts.; 40 cts. ¼ oz.; oz. 90 cts.

Double Pompon or Lilliput Zinnias

The Pompon or "Lilliput" Zinnia is so called on account of its dwarf nature. The plant is 15 to 18 inches high, very sturdy and bushy. The flowers are very beautiful little things about 1½ inches in diameter and very double. Today, with named and brilliant colors to offer, these old time flowers of mother's garden are becoming very popular again.

- | | |
|--------------------------|--------------------------|
| 6472 Crimson Gem. | 6476 Scarlet Gem. |
| 6473 Salmon Rose. | 6478 Flesh. |
| 6474 Golden Gem. | |

Any one of above, each, pkt. 10 cts.; 25 cts. ½ oz.; ¼ oz. 40 cts.

6480 All Colors Mixed. A fine mixture, containing those above and many others. If you desire many brilliant colors to create a charming effect along walks or against shrubbery, use them. Pkt. 10 cts.; 20 cts. ½ oz.; ¼ oz. 30 cts.



Taking full advantage of what can be done with Pompon Zinnias. We found this snapshot in our travels and it is being passed on to you through courtesy of the owner. Does it give you an idea?

Livingston's Gladiolus

Deserving of Your Consideration

ALL ORDERS FILLED PROMPTLY—ALL PRICES ARE POSTPAID

You can well afford a gorgeous display of them in your garden in 1932. We offer you the highest quality and most fascinating colors at a price far below 1931 figures. With this real "Glad Opportunity" we have the ambition to sell everyone some Gladiolus Bulbs. Surely, they deserve a place in your garden.

Our Outstanding VARIETIES

TYCKO ZANG. Brilliant salmon-pink. A very tall spike with large flowers, many opening at one time. Doz. 50 cts.; \$3.90 per 100.

DR. F. E. BENNETT. Fine peach red with a suggestion of flame scarlet. A marvel of striking brilliancy on a splendidly built spike. Doz. 85 cts.; \$6.60 per 100.

ORANGE QUEEN. Ground color yellow suffused with copper orange, producing a very attractive and popular new tint. Flowers closely set on good spikes. Doz. 75 cts.; \$5.75 per 100.

CARMEN SYLVA. A pure white under all conditions. Good sized flowers, all facing forward, on a well built spike. Doz. 60 cts.; \$4.40 per 100.

MR. W. H. PHIPPS. Clear deep pink, salmon toned reflex. Lips faintly speckled ruby. Massive spike of superlative beauty. Doz. 85 cts.; \$6.60 per 100.

GOLDEN MEASURE. Decided yellow with large, wide open flowers. Of gigantic stature. A beauty that fears no challenge on size. Doz. 75 cts.; \$5.75 per 100.

MURIEL. Rare tints of pale violet blue, enhanced by a purple blue blotch of graceful design. Size and placement of flowers beyond reproach. Doz. 80 cts.; \$6 per 100.

MRS. LEON DOUGLAS. Begonia rose with flecks of flame scarlet, lower petal tinted lemon with specks of ruby red. An imposing introduction. Doz. 70 cts.; \$5.25 per 100.

PANDORA MIXTURE

So called because it contains so many surprises in color, form and beauty of blooms.

Doz. 35 cts.; \$1 for 3 doz.
100 for \$2



New and Rare NOVELTIES

AFLAME. Probably the largest red Grandiflora Prim. It is a bright begonia-rose with flame red shadings. A real sensation. Each 25 cts.; \$2.40 per doz.

PFITZER'S TRIUMPH. Vivid salmon orange, small red blotches. Claimed to be "one of finest introductions by Wilhelm Pfitzer." Without doubt the largest ever imported. Each 20 cts.; \$2 per doz.

PEARL OF CALIFORNIA. Clear La France pink passing to rose and white in the throat. Very large. Each 20 cts.; \$2 per doz.

BETTY NUTHALL. Lovely coral orange with pencil lines of soft red. Double row of huge florets. Texture, superb. Each 30 cts.; \$2.90 per doz.

IMPERATOR. Magnificent spikes of huge flowers, opening creamy white, passing to pure white. Heavy foliage. Each 20 cts.; \$2.25 per doz.

MINUET. For purity of lavender, ideal form and wonderful finish. Minuet stands alone. Wide open flowers with broad petals of great substance. Each 15 cts.; \$1.35 per doz.

RITA BECK. Chaste shell pink, narrow pencil line of clear red on lower petals. Often produces flowers 7 inches across. Outstanding. Each 20 cts.; \$2.10 per doz.

PRIMROSE PRINCESS. Distinct clear primrose. Large flowers, gracefully winged and waved. Face forward on sturdy spike. Sterling introduction. Each 25 cts.; \$2.40 per doz.

NOVELTY COLLECTION

Containing 8 above varieties

1 bulb each of above.....	\$1.25
2 bulbs each of above.....	2.25
3 bulbs each of above.....	3.50
6 bulbs each of above.....	6.50

HERE IS A NOVEL WAY TO LEARN YOUR "GLADS" BY NAME

BLENDED COLOR COLLECTIONS

Made from the outstanding named varieties above, on the left. Intended for a two or more row planting at 10 day intervals. Full planting instructions with each collection. If followed, you will enjoy very fascinating color blendings over a long period.

Contains the 8 varieties at left, above

3 bulbs each (plot 5 ft. by 3 ft.)	24 bulbs.....	\$1.00
6 bulbs each (plot 10 ft. by 3 ft.)	48 bulbs.....	1.90
12 bulbs each (plot 10 ft. by 6 ft.)	96 bulbs.....	3.50
25 bulbs each (plot 20 ft. by 6 ft.)	200 bulbs.....	6.75

SUFFUSED COLOR COLLECTIONS

Creates a gorgeous display. Blendings, tintings and blotchings of many colors in 6 stunning varieties. Helga. Salmon rose, cream throat with old rose stripes. Giant Nymph. La France pink, creamy yellow throat. Mrs. F. C. Peters. Lavender, pink tints, crimson blotches.

Mrs. H. E. Bothin. Salmon pink, scarlet blotches. Rose Ash. Rose red overlaid grey. Yellow throat, striped red. Thos. Edison. Buff, red overtone passing to orange.

3 bulbs each—18 bulbs.....	\$0.50
6 bulbs each—36 bulbs.....	.90
12 bulbs each—72 bulbs.....	1.75

FREE WITH EACH COLLECTION—PAINTED WOOD PLANT MARKERS

Livingston's "True Blue" Vegetable Seeds

Now Delivered Free Anywhere in the United States

Last year, for the first time, we introduced our new plan of free transportation on all seeds to any point in the United States, regardless of amount or distance. As stated on Page 1, the results of this plan were so gratifying that we are continuing it this year. The advantages to you in this plan are simplified ordering details, no postage worries, and, above all, a saving.

With the introduction of free transportation, we promised unusually prompt service and are glad to announce that this promise was fulfilled in most instances and appreciated, as indicated by many customers who wrote us, such as the following: L. W. Purdum & Sons, Danville, Virginia, writes: "*We get seeds from you as quickly as we do from points only 150 miles from us. It shows you people are on the job.*" Mrs. Jonathan C. Zook, Johnson County, Missouri,

writes: "*I sent you my seed order and was very well pleased with the speedy returns I got, and also generous sized packets of seed.*"

This plan in no way affects the usual high quality of our stocks. At our "True Blue" farm we grow and study the purity and adaptability of the various seeds offered, as it is our constant aim to secure and supply only varieties best suited to your needs.

Cultural directions will be found at the heading of each class of vegetables and also on most of our packets. These directions are reliable but will not apply in every detail to the extreme sections of the United States and, therefore, some allowance must be made for the difference in latitude.

All purchases of quantities between 1 oz. and 1 lb., and 1 lb. and 5 lbs. must be remitted for at the ounce or pound rate, if not otherwise quoted.

These Leaflets Sent Free to Any Customer Upon Request

The Vegetable Garden
Vegetable Planting Table
Growing Seedlings
Hotbeds and Cold Frames
Growing Asparagus
Growing Cabbage and Cauliflower

Celery Culture
Growing Mushrooms
Growing Melons
Growing Onions
Peanut Culture
"Tomato Booklet"

Spargel

Asparagus *Esparragos*

Culture.—A most delicious and health-giving plant, but it is best when fresh cut and cooked at once. By all means have a bed of it handy to the kitchen. It comes about as early as rhubarb (pie-plant), and the two make good spring "medicine"—neither one "hard to take." Good, rich, sandy soil is best, but it is so hardy it will grow and live year after year almost anywhere. For small gardens, one-year-old plants are quickest. Seed is cheapest, but takes a year longer. Set plants about a foot or so apart each way, with the crown about 4 inches below the surface. Cover the bed with manure in the autumn and dig it in early in the spring. Fifty to a hundred plants are about right for a family garden. For more details or for larger plantings, we send leaflet free to customers, if requested.

One ounce of seed will sow 60 feet of drill. About 400 plants to the ounce

Washington Rust-Proof. Rust-resistant. Our stock of this variety was grown from originator's stock. It is a fast-growing, exceedingly tender sort of excellent flavor and of a beautiful dark green color, tinged with purple. Very hardy, producing a crop in soil where the old-type varieties were ruined with the fatal rust disease. Pkt. 10 cts.; 15 cts. oz.; ¼lb. 45 cts.; \$1.50 lb.

PALMETTO. Popular where the ground is not infected with the rust disease. While it does not produce as large stalks as the Washington strains, there are more of them. It is an early, dark green variety, having pointed tips. Pkt. 5 cts.; 10 cts. oz.; ¼lb. 25 cts.; 75 cts. lb.

Mary Washington. Rust-resistant sort. It is very early, producing large shoots even the second year from seeds. Shoots are an inch in diameter, with a tendency to be oval in cross-section. The high-branching habit makes it possible to cut shoots, with good tight tip buds, as much as 2 feet long. Pkt. 10 cts.; 20 cts. oz.; ¼lb. 65 cts.; \$2. lb.



Mary Washington Asparagus

Rojenkohl

Brussels Sprouts *Col de Bruselas*

Culture.—A species of the Cabbage family, which produces miniature heads from the sides of the stalk. These heads are a great delicacy if cooked in the same way as cauliflower. Sow seed about the middle of May, in a seed-bed, and afterwards set the plants in rows 2 feet or more apart, and cultivate like Cabbage.

Pride of Denmark. A fine variety, growing about 3 feet tall. Pkt. 10 cts.; 20 cts. oz.; ¼lb. 65 cts.; \$2. lb.

Long Island Improved Dwarf. Pkt. 10 cts.; 30 cts. oz.; ¼lb. \$1; \$3.50, lb.

Livingston's Garden Beans

Carefully Selected Strains of Exceptional Quality

On Beans we now pay all transportation by Parcel Post, Express, or Freight at our option anywhere in the United States, regardless of distance or amount. For complete details, see page 1.

Culture—Plant Dwarf Beans in small gardens, in rows $2\frac{1}{2}$ feet apart, and three or four Beans in a hill about a foot apart in the rows. Cover the Beans with 2 inches of soil and press it down firmly, to aid in germination. For a continuous supply, plant about May 15 and every ten days until August.

One pound will plant a row 100 feet long; 60 to 100 lbs. to an acre.

Green-Podded Dwarf Beans

Asgrow Valentine. A stringless Black Valentine. Pods are long, straight, oval and completely stringless. Plants, which resemble Black Valentine, are sturdy and prolific. Becoming very popular. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 45 cts.; \$1.50 5 lbs.; 10 lbs. \$2.80; \$6.50 25 lbs.

Tendergreen. A new, delicious, tender, fine-flavored, early, dwarf bean. Pods are long, round, very meaty, of a light green color and entirely stringless. Try this new one this year. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05 5 lbs.; 10 lbs. \$1.90; \$4.50 25 lbs.

Stringless Green Refugee. Quite similar to the Late Refugee or 1,000-to-1, except that it is stringless. It has a slender, light green pod, slightly curved, about 5 inches long, of good quality. A good yielder, coming into bearing late. Popular for canning. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.15 5 lbs.; 10 lbs. \$2; \$4.75 25 lbs.

Hopkins Earliest Red Valentine. The finest strain of the old Red Valentine type. Pod about 5 inches long, round, with some string. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05 5 lbs.; 10 lbs. \$1.90; \$4.50 25 lbs.

Refugee or 1,000-to-1. A good old late canning sort with round pods, but inclined to be stringy except when quite young. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05 5 lbs.; 10 lbs. \$1.90; \$4.50 25 lbs.

Tennessee Green-Pod. A large, flat-podded variety, having strings, but of such good quality that it is popular where well known. Pod 6 to 7 inches long, curved, irregular, and dark green. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05 5 lbs.; 10 lbs. \$1.90; \$4.50 25 lbs.

Full Measure. A comparatively new sort worth trying. It is ready for table use a few days later than Stringless Green-Pod, and very productive, as indicated by its name. The fine stringless green pod is about 6 inches long, straight, very fleshy, round, and crease-backed. When dry, the Bean is similar to the Red Valentine and should be used in place of it. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05 5 lbs.; 10 lbs. \$1.90; \$4.50 25 lbs.

FRENCH HORTICULTURAL. Green shell bean. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.20 5 lbs.; 10 lbs. \$2.20; \$5.00, 25 lbs.

DWARF HORTICULTURAL. Green shell bean. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.15, 5 lbs.; 10 lbs. \$2.20; \$5.00, 25 lbs.

ROBUST PEA. (Improved White Navy.) Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.70; \$4.00 25 lbs.

WHITE MARROW. Shell bean. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.70; \$4.00 25 lbs.

WHITE KIDNEY. Shell bean. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.70; \$4.00 25 lbs.

RED KIDNEY. Shell bean. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.70; \$4.00 25 lbs.

Giant Stringless Green-Pod. Larger and later than the Stringless Green-Pod, with a round, light green pod 6 inches long, quite straight. Used extensively for canning. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05 5 lbs.; 10 lbs. \$1.90; \$4.50 25 lbs.

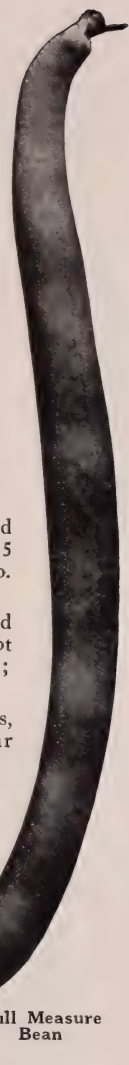
Stringless Green-Pod. If a round-podded green Bean is preferred, the Stringless Green-Pod is the finest. It is a strong-growing, dark green, foliage sort, with round, meaty, brittle, slightly curved pods of highest quality, that simply refuse to get stringy even when old enough to shell. Dry Beans dark brown. Pkt. 10 cts.; 20c $\frac{1}{2}$ lb.; lb. 35c; \$1.05 5 lbs.; 10 lbs. \$1.90; \$4.50 25 lbs.

Bountiful. If you like a flat green-podded Bean, the Bountiful is sure to please you. It has a beautiful, light green, semi-round, straight, stringless pod, 6 to 7 inches long. Begins bearing quite early and lasts a long time. A hardy, early, productive sort, growing about 15 inches high. The dry Beans are light yellow, and may be boiled. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.



Bountiful Bean

Full Measure Bean



Wax-Podded Dwarf Beans

WARDWELL'S KIDNEY WAX. This is the handsomest of the flat-podded Wax Beans, and very popular with gardeners, as it sells on sight. The pods are straight, 6 inches long, broad, flat, stringless, and light yellow in color—almost transparent. Rather tender but productive. Best flat-podded variety for home-gardens. Fifty days from planting to table. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

KEENEY'S RUSTLESS GOLDEN WAX.

Mr. Keeney says: "This is the only absolutely rustproof early Wax Bean we ever grew in New York State." An improvement over older types. Has a thick, flat, yellow pod $4\frac{1}{2}$ inches long, and stringless. For home-gardens and canning. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

LIVINGSTON'S PENCIL-POD WAX

(Refugee Wax). Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Davis White Wax.

Has a beautiful flat yellow pod which will stand shipping. It is too tough, however, for home-gardens. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

LIVINGSTON'S HARDY WAX.

A good grower, producing round, yellow, meaty, tender, stringless pods of fine flavor, and about $4\frac{1}{2}$ inches long in 51 days. Adapted to home-gardens. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

IMPROVED PENCIL-POD BLACK WAX.

The old, original Black Wax was never beaten for quality. This Pencil-Pod strain has a better shaped and longer pod. Fine for home-gardens. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Inoculate this seed with Nod-O-Gen. (See page 75.)

Unrivalled Wax.

This very productive sort is ready in about 60 days from planting. The beautiful light yellow pods are $5\frac{1}{2}$ inches long, semi-flat, fleshy, of fine texture and flavor. A vigorous grower; almost blightproof. Popular with gardeners and well adapted to home gardens. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

WEBER WAX (Crackerjack Wax).

A high-quality early variety. Bright yellow pods 6 to $6\frac{1}{2}$ inches long, quite broad and uniformly curved, fleshy, stringless and brittle. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

IMPROVED GOLDEN WAX.

An old-timer but rather out of date now. Has 4-inch flat yellow pods. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

SURE-CROP WAX.

As its name indicates, a thrifty, hardy sort and very popular with gardeners. A big-yielding, semi-round, long-podded, deep yellow, stringless variety. Everybody should plant some Sure-Crop. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Albert Hull, Genesee County, Michigan, writes: "Received the 42 lbs. of Lima Beans promptly and they are all up and growing fine, the best stand of them we ever had. All the seeds we have bought from you we have found just as you stated, and you will keep getting our orders from now on."

Sure Crop
Wax Bean

Remember that on Beans we now pay all the transportation. You have nothing extra to figure. See pages 1 and 36.

Pole or Running Beans

The Pole or Running varieties are tender and should be sown two weeks later than Bush Beans. They succeed best in sandy loam, which should be liberally enriched with manure. Form hills 3 to 4 feet apart; plant three to six Beans in a hill, 2 inches deep, leaving space in center for the pole. When well started they should be thinned to form two to four plants in the hill.

Two pounds will make 100 to 200 hills, according to size of Beans

Improved Pencil
Pod Black Wax
Bean

Kentucky Wonder or OLD HOME.

STEAD. An old favorite, with long, fleshy, deep saddle-back pods. Very prolific, producing an abundance of fine, stringless, crisp pods until late in the season. Of the best quality. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Kentucky Wonder Wax.

Quite similar to the Kentucky Wonder or Old Homestead, except in the color of pods, which in this one are light waxy yellow. It has a thick, broad pod, very tender, of delicious flavor and stringless. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.20, 5 lbs.; 10 lbs. \$2.20; \$5, 25 lbs.

Ideal Market.

New. It is claimed that this variety will mature eight to ten days ahead of Kentucky Wonder. Pods 5 inches long, round, green, and entirely stringless. It is very productive and of good quality. This should make Ideal Market very popular. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

LAZY WIFE.

A late sort, having medium green pods up to 6 inches in length, broad, flat, stringless. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.

SPECKLED CRANBERRY (Bird-Egg Bean).

A midseason sort. Pods 5 inches long; straight, flat and good as Shell Beans only. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.05, 5 lbs.; 10 lbs. \$1.90.



Fordhook Bush Lima Bean

Lima Bean Pod OPENER

SOMETHING NEW

Opens pods easy and
fast. Prevents sore fingers.

Price Each, 25c Ppd.

Bush Lima Beans

Burpee's Improved. This has uniformly larger pods than the original Burpee's Bush Lima and the Beans are thicker and remain green even in the dry stage. The plants are very prolific, bearing pods in clusters of from five to seven, the individual pods averaging 5 inches long and containing up to six Beans. The Beans are thin-skinned and of delightful flavor. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.30 5 lbs.; 10 lbs. \$2.40; \$5.75, 25 lbs.

New Wonder. The bushes grow about 20 inches high. Pods are smaller than Burpee's Improved; Beans slightly smaller; a few days earlier, and quite productive. A sure cropper. Very true to bush form. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.30 5 lbs.; 10 lbs. \$2.40; \$5.75, 25 lbs.

HENDERSON'S. The Baby Lima. Beans and pods are small. Very productive and a sure cropper. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.10, 5 lbs.; 10 lbs. \$2; \$4.50, 25 lbs.

WOOD'S PROLIFIC. An improved Henderson's Bush Lima, as the Beans are larger and thicker. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.10, 5 lbs.; 10 lbs. \$2; \$4.50, 25 lbs.

Fordhook. The one best Bush Lima. Outselling all others. The stiffly erect bushes branch freely and bear tremendous crops. It is ready for use quite early. The Beans are very fat, are closely packed in the pods, shell very easily and remain green a long time. Pods are borne in clusters of from four to six, average 4 to 5 inches long, and contain usually four tender Beans of a delightful flavor. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 45 cts.; \$1.35, 5 lbs.; 10 lbs. \$2.60; \$6.25, 25 lbs.

Pole Lima Beans

Lima Beans will not grow until the weather and ground are warm. If planted before, they are almost sure to rot in the ground.

One pound of medium-sized Lima Beans will plant 150 hills, three Beans to the hill

Early Leviathan. The earliest of the large-podded sorts. The pods are 5 to 6 inches in length and often contain five to six large, flat, pale green Beans of excellent quality. Very productive. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.05, 5 lbs.; 10 lbs. \$2; \$4.75, 25 lbs.

CARPINTERIA. A good early variety. Vines are strong, vigorous, setting many pods, which are closely filled with large, fat Beans. Pods contain three or four Beans, which retain the green tint in the dry state—a sure indication of fine quality. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.05, 5 lbs.; 10 lbs. \$2; \$4.75, 25 lbs.

Giant-Podded. The largest podded Lima in cultivation; extremely vigorous in growth; midseason. Pods measure about 7 inches long by $1\frac{1}{2}$ inches broad and are borne in clusters of six to eight; Beans extra large and of excellent quality. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.05, 5 lbs.; 10 lbs. \$2; \$4.75, 25 lbs.

KING OF THE GARDEN. Vigorous grower, pods containing five to six large Beans, which are of fine quality. The vines grow strong and yield heavily. Very fine variety. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.05, 5 lbs.; 10 lbs. \$2; \$4.75, 25 lbs.

Ask for special prices on Beans in larger quantities

Spargelohl

Broccoli

Brocoli

Culture.—Belongs to the same family as the cauliflower, but of a little coarser texture. More hardy and therefore better adapted to a wider range of conditions. The new Green Sprouting types are quite different in manner of growth, as shown in illustration. Sow the seed in the same manner as for late cabbage, in May, and transplant in June or July, in very rich soil about $2\frac{1}{2}$ by $1\frac{1}{2}$ feet apart.

EARLY LARGE WHITE. Similar to cauliflower, but is more hardy. Heads medium size, close and compact. One of the most certain to head. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.

Italian Green Sprouting. A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower-heads. When this central head is removed the plant develops numerous lateral sprouts, each of which produces a small head. These are cut, leaving about 6 inches of the stem, and are tied in bunches for market. Both stems and heads are cooked and served like cauliflower. Ready for market in about 90 days. Pkt. 25 cts.; 35 cts. $\frac{1}{2}$ oz.; oz. 65 cts.



Italian Green Sprouting Broccoli

Beets for Table Use

Culture.—The soil best suited for the culture of the Beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the spring, as soon as the ground becomes fit to work, in drills $1\frac{1}{2}$ feet apart, $\frac{1}{2}$ inch deep. For winter use, the turnip varieties may be sown as late as June and the seed covered 2 inches. When the plants are 3 to 4 inches in height, thin out so that they stand 3 to 4 inches apart. Keep free from weeds by frequent hoeing and hand-weeding if necessary. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes. Dry earth thrown over them before the straw is put on insures their keeping over winter. Do not bruise them in handling.

One ounce of seed will sow 50 feet of drill; 5 to 6 pounds to the acre

Extra-Early Dark Red Egyptian.

Very early, but a little later than Crosby's Egyptian which has quite largely taken the place of it. The shape is more flat. Dark blood-red, medium size, tender and sweet. Good for forcing. Pkt. 5c.; 10c oz.; $\frac{1}{4}$ lb. 25c; 85c lb.

Early Eclipse.

A good old sort, but largely displaced by Detroit Dark Red. The tops are small, roots are bright deep red, smooth, round or slightly top-shaped. The flesh is bright red, zoned with pink; very sweet, crisp and tender when young. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

DEWING'S IMPROVED BLOOD TURNIP.

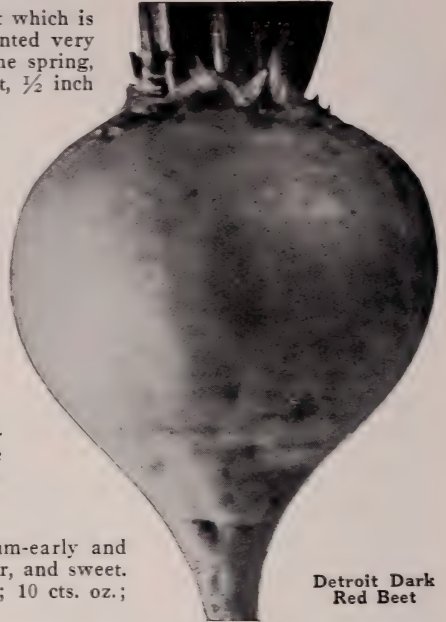
The leading medium-early and late main-crop variety. Roots smooth, handsome, good size, tender, and sweet. An enormous cropper. Sow late for winter storage. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Crimson Globe.

A late main-crop variety. Root of medium size, handsome globe shape and remarkably smooth surface. Skin and flesh are deep, rich red, fine grained, sweet and tender in all stages of growth. Small tap-root; leaves are small, dark green. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Early Wonder.

A fine selection from Crosby's Egyptian, being a little smaller in size. Average more full on the bottom and come a little earlier. The demand for Early Wonder is growing several hundred pounds annually. It is a turnip-shaped variety of very uniform type and is always smooth. Flesh is a beautiful deep red color, more uniform than Crosby, and is of excellent quality. Tops are small and erect and it may therefore be planted closer than most other sorts, thereby increasing yield. Pkt. 10c; 15c oz.; $\frac{1}{4}$ lb. 35c; \$1.10 lb.



Detroit Dark Red Beet

Detroit Dark Red.

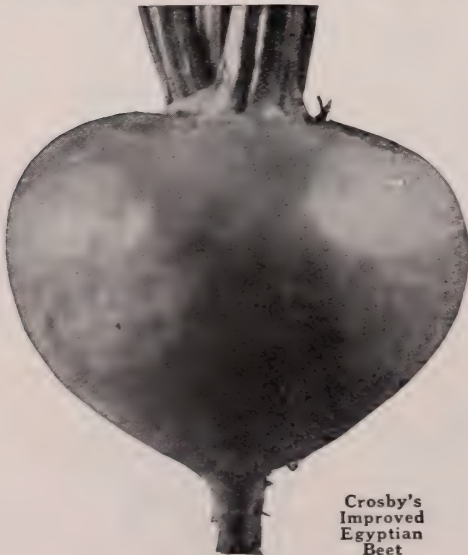
Greatest sort for canners. This superb variety is one of the most popular red turnip Beets, not only for market gardeners, but for home use. It is also one of the best for canning, making a strikingly handsome product. The small top, early maturing and splendid shape and color have made it a favorite. Top small, upright growing, leaf, stem and veins dark red, blade green; root globular and very smooth; color of skin dark red; flesh deep, bright red, zoned with a darker shade, very crisp, tender and sweet, remaining so for a long time. Very uniform in shape, color and quality. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30c; \$1.00 lb.

EDMAND'S BLOOD TURNIP.

A second-early sort and very uniform. Root is always smooth, round, and handsome; top small; of good marketable size and among the best for table use. Color dark red; crisp, tender and sweet; good keeper. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Crosby's Improved Egyptian.

A very superior Beet. Of handsome form, good size, few small tops, very small tap-root, fine quality, and a rapid grower. Very early. The shape is very desirable. (See illustration.) Takes on its turnip shape and looks well in the very early stages of its growth, on which account it is preferred for first early crop. Being a rapid grower, it may be sown outside as late as July. Skin dark red, flesh somewhat lighter, with a few specimens of light red or pink. All, however, are of a fine bright red shade when boiled and equally delicious in flavor. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.



Crosby's Improved Egyptian Beet

Sowrite Seed Sower

SOWS SEED AT A TOUCH



Sowrite Seeder Model 1923

Hold with one hand, tap lightly with other. Adjustable regulator. Takes all seed up to Sweet Peas. Saves seed!

Price 50c Postpaid

Beets for Stock Feeding

An ever-increasing acreage is being planted to Beets for stock because of the wonderful results from feeding them. Sow in rows $2\frac{1}{2}$ to 3 feet apart as soon as the ground can be thoroughly worked. Cover seed about 1 inch, making ground firm over the seed. When 4 inches high, thin to 8 inches apart. Beets cannot stand being frozen, so should be harvested before cold weather sets in, and they may be buried in pits the same as potatoes or turnips, when roots are thoroughly dry.

Six pounds of seed sow 1 acre

Mangel-Wurzels

MAMMOTH LONG RED. Jumbo Mangel, Colossal, etc. A favorite with the farmer and dairyman. Large; well-formed; dark red color; very nutritious; a big cropper. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.; 5 lbs. \$2.25; \$4.25 10 lbs.

GOLDEN TANKARD. Very productive and sweet; flesh yellow; tops and neck very small; easily pulled; especially relished by sheep and cows. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.; 5 lbs. \$2.25; \$4.25 10 lbs.

GOLDEN GIANT INTERMEDIATE. Yellow Levithan. Skin smooth; flesh white, firm, sweet; productive; easily pulled; good keeper. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

Sugar Beets

KLEIN WANZLEBEN. This splendid Sugar Beet is one of the **greatest milk-producing roots known.** The yield is not quite equal to mangels, yet the feeding value is superior. Contains the greatest amount of sugar of any. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

GIANT HALF-SUGAR ROSE. Yields nearly as much per acre as mangel-wurzels and the roots are of larger nutritive value. Roots grow partly out of ground and are easily harvested. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

GIANT HALF-SUGAR WHITE. Similar to above, only white. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

Ask for prices on large lots of both Mangels and Sugar Beets

Weißkraut

Cabbage

Gol repollo

Culture.—Cabbage requires deep, rich, mellow soil, high manuring, and good culture to obtain fine, solid heads. For early use, sow seeds of the early kinds in the hotbeds or in a box in the house the last of January or early in February; transplant into the open ground in April in rows 2 feet apart and $1\frac{1}{2}$ feet apart in the row; or sow a bed of seed outside as soon as the soil can be worked; transplant in about four weeks. For second early Cabbage, sow in April and transplant in May. For late Cabbage, sow in May and transplant in July in rows 3 feet apart and 2 feet

One ounce of seed produces about 2,500 plants, 4 ounces enough plants to set an acre

apart in the row. In transplanting, it is important that plant be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir soil deeply. As they advance in growth draw a little earth to the plants until they begin to head. To prevent splitting or bursting, go frequently over the ground and push every cabbage that appears about to mature over sideways, which will break some of the roots and check its growth. To prevent attacks of the cabbage fly on small plants, dust thoroughly with plaster, air-slaked lime, or wood ashes.

Early Varieties

Early Jersey Wakefield. Many market gardeners consider this the **best early variety.** Grown extensively for market and shipping. Its merits are large heads for an early sort, small outside foliage and uniformity of crop. Pyramidal in shape, having a blunted or rounded peak; very sweet. **The seed we offer is from the very best growers** and has given satisfaction for many years. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 80 cts. $\frac{1}{4}$ lb.; lb. \$2.75.

Large Charleston Wakefield. A selection from Early Jersey Wakefield, only it is about one week later than that variety and grows larger heads, often averaging 8 to 10 pounds. Very solid and of fine quality. Immense quantities are grown in the South for shipping. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 80 cts. $\frac{1}{4}$ lb.; lb. \$2.75.

Golden Acre. In this variety you get a very fine sort from Denmark—the home of fine Cabbages. Golden Acre produces heads about a week ahead of Copenhagen Market. It is very uniform, medium size and quite round. The head is surrounded by small outer leaves as shown in the illustration. It is very firm, being equal to any of the late sorts in this respect. On account of its hardness it will stand for a long time without bursting. Pkt. 15 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.40 $\frac{1}{4}$ lb.; lb. \$5.

Special Strain Golden Acre. First time listed, but furnished to a number of gardeners last year. They report "Best ever seen." This Special Strain comes from our Denmark Grower. Every head is solid and of highest quality, maturing at least a week ahead of other popular early varieties. If you want something unusual for special dishes, grow some Special Strain Golden Acre this year. Pkt. 25 cts.; 80 cts. $\frac{1}{2}$ oz.; oz. \$1.40; \$5 $\frac{1}{4}$ lb.; lb. \$18.



Golden Acre Cabbage

Early Varieties Cabbage---Continued



Copenhagen Market Cabbage

True Blue Seeds are seeds of the highest quality

Copenhagen Market. A splendid extra-early round-headed sort which matures as early as the Wakefields and is of larger size. Practically every plant forms a perfect, tightly folded head averaging 5 to 8 pounds in weight. The compact growth of the plant, the solidity of the head, its excellent flavor, and extreme earliness—all combine to make Copenhagen Market one of the most popular early Cabbages. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 90 cts. $\frac{1}{4}$ lb.; lb. \$3.25.

Marion Market. (Copenhagen Yellows-resistant). Highly resistant to "yellows." Round head, short stem, fine quality. To those who are unable to grow a satisfactory crop because of this disease, we highly recommend Marion Market. However, if there has been no evidence of "yellows" in your crop, we recommend that you use our regular Copenhagen Market. Pkt. 15 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.40 $\frac{1}{4}$ lb.; lb. \$5.

Ordering Suggestions are on page 1
An Order Blank is attached

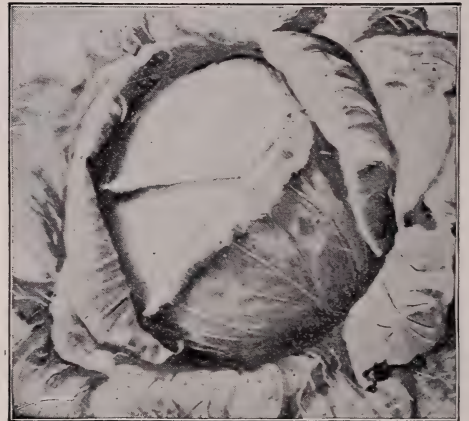
Second Early Varieties

All-Season. (Vandergaw). Heads very large, round, solid, and of fine quality, keeping as well as the winter sorts. Remarkable for its ability to stand hot sun and dry weather. As its name indicates, it does not head up all at once. This should appeal to family gardeners. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

YELLOWS RESISTANT ALL-SEASONS. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1 $\frac{1}{4}$ lb.; lb. \$3.50.

Henderson's Early Summer. About a week later than the Early Jersey Wakefield, but fully double the size; may be classed with best large early Cabbages. Keeps long time without bursting. Heads round and flat. One of the best for the home-garden, and is used quite extensively in the South for shipping. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

EARLY WINNIGSTADT. Well-known and popular second-early Cabbage. Heads decidedly conical. Solid, even in summer; almost worm-proof, because so hard. A sure header. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz., 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50



Allhead Early Cabbage

Allhead Early. Of remarkably uniform size and shape and sure-heading qualities. Deep, flat heads, solid and uniform in color. In tenderness unsurpassed. By reason of its compactness it may be planted closely. For winter use, sow in July. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

YELLOWS RESISTANT ALLHEAD EARLY. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 85 cts. $\frac{1}{4}$ lb.; lb. \$3.

SUCCESSION. A large, medium-early sort, its outer leaves being unusually short. A very sure header. Heads deep and of excellent quality. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

EARLY DWARF FLAT DUTCH. Excellent second-early variety, producing fine large heads. Highly valued for its fine quality and ability to resist heat. Heads very solid, broad, round, flattened on top, tender and fine-grained. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

Glory of Enkhuizen. A few days later than Copenhagen Market, of larger size and is quite round. A long-keeping sort. It is very dwarf and compact, allowing of close planting. Heads fine, ball-shaped. Size ideal for marketing. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.



Glory of Enkhuizen Cabbage

Late Varieties of Cabbage



Danish Ballhead Short-Stem Cabbage

Danish Ballhead Short-Stem. (Hollander, Dutch Winter).

This splendid variety is well known for its remarkable solidity and grand keeping qualities. The heads are very heavy and superb in quality, and the extra weight, in limited space, will be appreciated by those who grow for distant markets, ship in carloads and sell by weight. Our stock is grown for us by one of the best Danish growers. The most popular of all the late Ballhead types. Pkt. 10c; 20c $\frac{1}{2}$ oz.; oz. 30c; 90c $\frac{1}{4}$ lb.; lb. \$3.25.

Yellows Resistant Hollander.

This is a strain of Hollander, or Danish Ballhead, which originated in Wisconsin where the disease known as "yellows" is very destructive. It should be used where this disease is prevalent. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.40 $\frac{1}{4}$ lb.; lb. \$5.00.

Livingston's American Ballhead.

Our stock of this variety comes from an American grower of more than thirty years' experience. He says of it, "We believe it to be a considerably better strain than any in current use in the trade." Market gardeners who are familiar with the Danish Ballhead type of Cabbage should try this alongside of other strains. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.40 $\frac{1}{4}$ lb.; lb. \$5.

Surehead. Large, round, flattened heads, and is remarkable for its certainty to head; good keeper and shipper. It is very sweet flavored, has but few loose leaves. A late sort for the kitchen garden. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

Red Cabbage

Danish Ironball. As round as a ball and as hard as iron. Heads grow to large size, averaging 8 ins. in diameter, of rich color throughout. Pkt. 10c; 20c $\frac{1}{2}$ oz.; oz. 30c; 85c; $\frac{1}{4}$ lb.; lb. \$3.

YELLOWS RESISTANT RED HOLLANDER. Same as Danish Ironball but is proof against the yellows disease. Pkt. 15c; 40c $\frac{1}{2}$ oz.; oz. 75c; \$2.75 $\frac{1}{4}$ lb.

MAMMOTH ROCK RED. Heads as large as Premium Flat Dutch; deep red to center. Highly recommended. A hard-heading variety. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 80 cts. $\frac{1}{4}$ lb.; lb. \$2.75.

The Volga.

This variety is of the greatest uniformity. The heads are about equal in size and shape, round as a ball, the largest measuring about 12 inches in diameter either way. Heads very solid; the flesh is exceedingly firm, tender, and white. Extremely hardy and matures somewhat earlier than the Ballhead sorts. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 85 cts. $\frac{1}{4}$ lb.; lb. \$3.00.

Livingston's Premium Flat Dutch.

The main-crop late variety. Because of its solidity and compact manner of growth, it is a heavy yielder. The heads are large, white, crisp, tender, and sure to head. Grown largely for kraut-making in the autumn. Pkt. 10c; 15c $\frac{1}{2}$ oz.; oz. 25c; 75c $\frac{1}{4}$ lb.; lb. \$2.50.

Western R. Ashby, Western Australia, writes: "I have tried the Golden Acre Cabbage and am very pleased with the results."

Savoy Cabbage

The Savoy or Curly Cabbages are of fine flavor and quality, and should be more generally cultivated. Most delicious after frost.

SMALL EARLY SAVOY. Best early. Heads firm, solid, beautifully crimped; finest quality. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 85 cts. $\frac{1}{4}$ lb.; lb. \$3.

IMPROVED AMERICAN SAVOY. (Perfection D. H.) Heads large and finely curled; short stalk; compact grower; sure header; keeps well. Best for main crop. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

Chinese Cabbage

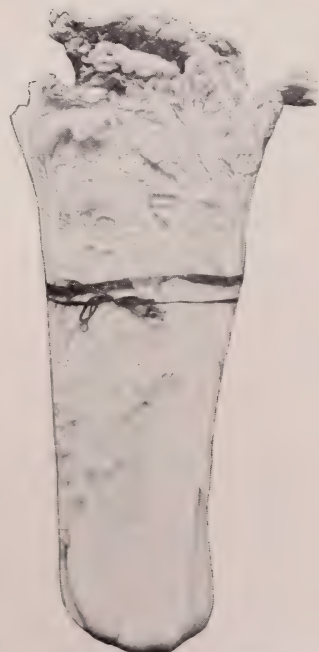
Also known as "Celery Cabbage," "Odorless Cabbage," "Chinese Lettuce," etc.

It is a species of Cabbage with a fine delicate flavor, as tender as head lettuce, and in great demand for numerous dishes, such as salads and cole slaw, or it may be cooked quickly. The culture, storing for winter, etc., are same as for late Cabbage. It cannot be grown successfully here as a spring crop. For fall crop, sow early in August.

CHIHILI. This variety, in our trial-grounds, runs very true to type, being taller than Wong Bok. Length of head is about 16 inches. Outer leaves dark bluish green, while the inside is creamy white and of fine quality. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1 $\frac{1}{4}$ lb.; lb. \$3.50.

WONG BOK. The heads of this sort are short and heavy. It has beautifully curled leaves of fine quality and is a sure header. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

Dr. Jas. L. Dillon, Carroll County, Ky., 3/26/31, writes: "I have always, for years, found your seeds dependable and am recommending them to friends."



Chihili Chinese Cabbage



Chantenay Carrot

Möhren

Carrots *Zanaborias*

Culture.—Sow in early spring in drills 15 to 18 inches apart, finally thinning the plants to 3 to 4 inches apart. If sown early on moist soil, a half-inch is deep enough to cover the seed. The seed is slow to germinate. Keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered, and the crop lost.

One ounce sows 100 feet of drill; 4 pounds sow one acre

Red-Cored Chantenay. (New.) A true Chantenay but has a red core. Color nearly same throughout, making it appear to be coreless. Very tender, of excellent flavor. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Improved Danvers. (Half-Long). The best for general crop. Will yield the most per acre. It is grown largely on account of its productiveness and adaptability to all classes of soils. Tops medium size, roots deep orange, large, but of medium length, tapering uniformly to a blunt point. Smooth and handsome; sweet, crisp and tender. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

Oxheart. Intermediate in length and diameter; quality extra good. Comes early. Some sorts require digging but the Oxheart can be easily pulled. Adapted to shallow soils where the longer sorts would not thrive so well. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

Nantes Half-Long. A very good early sort. Sweet and fine flavored; almost without a core; very fine grained; excellent for the home-garden. One of the finest in quality and handsomest of the medium-sized sorts; about 6 inches long. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

Hutchinson. A selection from the Danvers. Slightly darker orange skin, an inch or two longer. Pkt. 10c; 15c oz.; $\frac{1}{4}$ lb. 35c; \$1.25 lb.

Improved Chantenay. A popular and profitable sort to raise for market. It is about 6 inches long, thick through, and decidedly stump-rooted. In size it is between the Oxheart and Danvers. The flesh is a deep orange-red, fine-grained, and of excellent flavor. It is very early and always produces smooth, shapely roots. One of the best for home-gardens. Our strain of seed is unsurpassed. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

IMPROVED LONG ORANGE. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 25c; 80c lb.

LARGE WHITE BELGIAN. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 25c; 75c lb.

LIVINGSTON'S EARLY MARKET. Pkt. 10c; 15c oz.; $\frac{1}{4}$ lb. 35c; \$1.25 lb.

Blumenkohl

Cauliflower

Coliflor

Culture.—Cauliflower delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow the seed in the hotbed in January or February and transplant the plants 2 to 3 inches apart in boxes, or in another hotbed, until such time as they may safely be planted in the open ground. Set the plants in the field 2 feet by 15 inches apart. When heading tie the outside leaves loosely over the head to protect it from the sun.

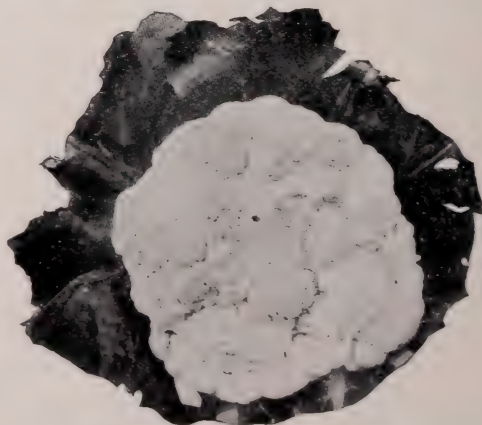
Dry-Weather. This is a fine, large, heavy, pure white variety that matures later than Snowball. Best for dry localities on account of its large leaves which furnish greater protection to the heads. Pkt. 25 cts.; 65 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. \$1.25; \$2.30 oz.; $\frac{1}{4}$ lb. \$8.75.

SUPER SNOWBALL. An extra-fine selection coming from the same source as the Golden Acre Cabbage. Will prove good. Pkt. 25 cts.; 85 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. \$1.60; \$3 oz.

Henderson's Early Snowball. Heads of medium size, compact, and very white. Has few short, upright leaves. A very sure header. We have an extra-good grade of this popular old sort. Pkt. 25 cts.; 60 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. \$1.15; \$2 oz.

Livingston's Earliest. Our Danish grower spares no pains or expense with this seed stock. For wintering in coldframes for early crop, it cannot be excelled, and it does equally well for a fall crop if planted late and treated the same as late cabbage. Livingston's Earliest Cauliflower has taken the place of many of the late varieties on account of its fine texture, pure white heads, and large uniform size. A texture, pure white heads, and large uniform size. Price, under our "True Blue" Seal, pkt. 25 cts.; 65 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. \$1.25; \$2.30 oz.; $\frac{1}{4}$ lb. \$8.75.

P. W. Vandergraff, Route 4, Lafayette, Ind., writes: "My wife insists on Livingston's Seeds because her father always used them and he was an old gardener that knew his business."



Livingston's Earliest Cauliflower

Celery

Giant Pascal. Forms solid, crisp stalks of rich, nutty flavor. It is of strong growth, blanches easily to rich creamy white, and is very brittle. A fine keeper for midwinter use, retaining color and fresh appearance a long time. A favorite for local markets and private use. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.

LIVINGSTON'S SELECTED GIANT PASCAL. Our growing. Pkt. 25 cts.; 70 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. \$1.35; \$2.50 oz.

Golden Phenomenal. (New.) Similar to Golden Plume, but it is decidedly taller, and the stems are much longer to the joint. It is 27 to 28 inches and 8 to 9 inches to the first joint. The season is the same as Golden Plume. Plants heavy and compact, full hearted, and not inclined to be sprangly; stems broad, thick, brittle, free from strings, of fine flavor and excellent quality. Pkt. 25 cts.; 45 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. 80 cts.; oz. \$1.50.

Golden Self-Blanching. Of French origin. Heavy, compact plants that grow to good size. It is very tender, solid, crisp, heart large, of excellent quality and beautiful golden color.

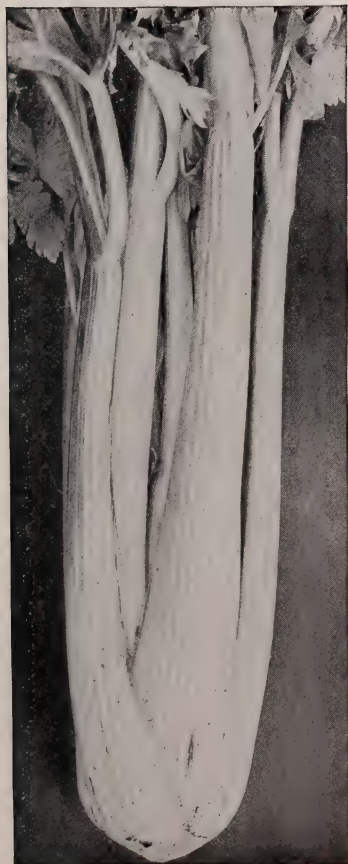
AMERICAN-GROWN SEED. A splendid strain. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.40 $\frac{1}{4}$ lb.; lb. \$5.00.

FRENCH-GROWN SEED. From one of the most careful growers. **New Strain.** Early. Pkt. 15 cts.; 25 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. 40 cts.; 75 cts. oz.; $\frac{1}{4}$ lb. \$2.75.

Columbia. An early-maturing sort. The plant is of medium height, but very stocky and heavy. The stalks are thick, almost round, of rich yellow tint. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.

Emperor. A distinct variety of true dwarf type and, therefore, easier to blanch. The plants average about 15 inches in height. Stalks smooth, very thick, white, heart tinged with yellow and very crisp, with decidedly nutty flavor. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.40, $\frac{1}{4}$ lb.; lb. \$5.

White Plume. Stalks and portions of the inner leaves and heart are white and of good flavor and fine texture. Adapted to fall and early winter use; good keeper up to the holiday season. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.



Golden Plume Celery



Giant Pascal Celery

Golden Plume. This is a selected strain of Golden Self-blanching, having a beautiful golden color and that rich, nutty flavor so much desired by lovers of fine Celery. It resists blight and rust to a remarkable degree, matures quite early, and keeps a long time. The Golden Plume is a mighty good shipping sort. It grows to large size and of fine proportions. Pkt. 15 cts.; 25 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. 40 cts.; 75c oz.; $\frac{1}{4}$ lb. \$2.75.

Easy-Blanching. A remarkably easy variety to blanch, and being adapted to early use as well as storing for winter makes it especially suitable for the home-garden. Stalks white, thick, brittle, and of excellent flavor. A strong, healthy grower. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.50.

WINTER QUEEN. Pkt. 10 cts.; 25 cts. oz.; $\frac{1}{4}$ lb. 75 cts.; \$2.50 lb.

Celeriac--Turnip-Rooted Celery

Sow the seed same as for Celery. Transplant into rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. The roots may be cooked or used as salad.

GIANT SMOOTH PRAGUE. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 85 cts. $\frac{1}{4}$ lb.; lb. \$3.

Kreffe Cress or Pepper Grass Berro

EXTRA-CURLED. A well-known and very agreeable pungent salad; can be used alone or with lettuce. Requires to be sown thickly, at frequent intervals, covering very lightly, to keep up a succession, as it soon runs to seed. May be cut two or three times. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 25c; 75c lb.

TRUE WATER. Well-known hardy perennial aquatic plant. Is easily grown along margins of ponds and streams where it increases both by spreading of roots and seeding. Has a pleasant, pungent flavor. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.

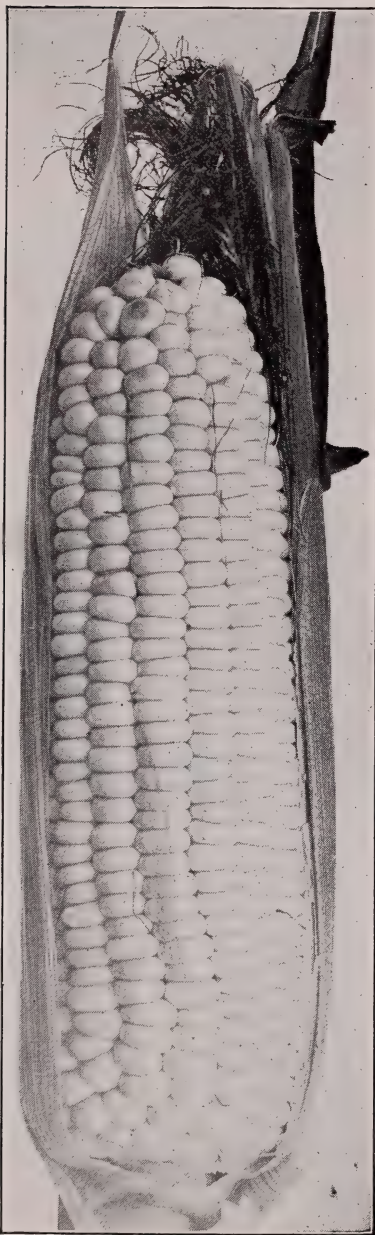
UPLAND. This is a hardy perennial; stays green nearly the whole year; ready for use in the spring before any other salad. Eaten like lettuce or boiled like spinach. Sow in April in rows 1 foot apart. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35.

Speise-Mais

Corn, Sugar or Sweet

Maiz dulce

NOW DELIVERED FREE ANYWHERE IN THE UNITED STATES. SEE PAGE 1



Whipple's Early White

Sixty per cent of the stalks carry two well-developed ears which are usually placed from 2 to 3 feet above ground. It has a remarkably strong husk which protects the ears to some extent from ravages of insects. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.40; \$3.25, 25 lbs.

KENDEL'S EARLY GIANT. Ears large, 8 to 9 inches long, with 10 or more rows of plump white kernels of delicious flavor. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

Gill's Early Market. (60 Day Make Good). The very earliest white Sweet Corn for market. Stalks are about $3\frac{1}{2}$ feet high with ears set close to the ground. Ears 6 to 7 inches long, rather blocky in form, of good size, with white cob and grain and of good quality. Plant Early Market for first early crop. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.15, 5 lbs.; 10 lbs. \$2.10; \$4.75, 25 lbs.

Culture.—The Sweet or Sugar Corn varieties, being liable to rot in cold or wet ground, should not be planted until May, or when the soil has become warm and dry. For a full supply for the table during the entire season, plant every ten days or two weeks until the last week in July, in hills 2 by 3 feet apart for the early kinds, and 3 by 3 feet for the large late sorts, using four or five grains to the hill. Give frequent and thorough cultivation all the season. A pound of Sweet Corn contains about 2,000 grains.

Twelve to sixteen lbs. will plant an acre

Alpha. A very early white variety, maturing a week or more ahead of White Cory, and is of just fair quality. The ears average 6 to 7 inches long, are finely shaped, and set low and close to the stalks. Stalks average 4 feet high. A very desirable variety for the market gardener. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 35 cts.; \$1.15, 5 lbs.; 10 lbs. \$2.10; \$4.75, 25 lbs.

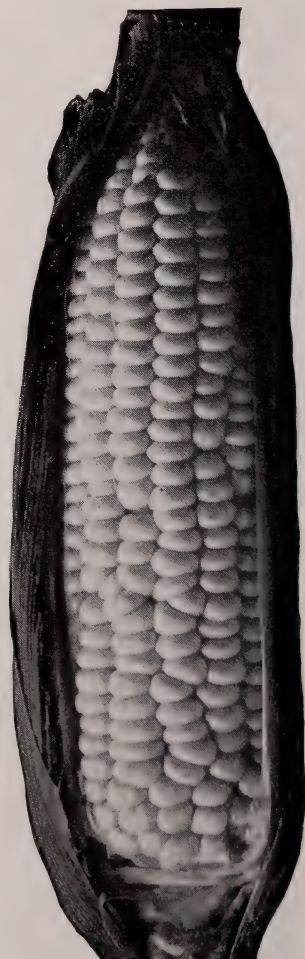
Whipple's Early White. Of the Evergreen type, but ready for use much earlier. Comes only about a week later than the small extra-early sorts but is much larger. Ears 8 to 9 inches long, 16 to 18 rows of pearly white and very sweet grains. One of the best for market or home-gardens. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

EARLY MAYFLOWER. Matures earlier than White Cory. Ears 5 inches long, with 10 and 12 rows of pure white, sweet grains. Pkt. 10c; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

MAMMOTH WHITE CORY. Extra early, with ears about 7 inches in length. Cob and kernel pure white. Our stock is of the original type, growing about 4 feet high. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

Columbus Market. The ears, often 10 inches long, carry an average of 16 rows of fine, large, deep, white and very sweet grains, which are second to none in tenderness and flavor. The stalk is very strong, of medium height; the leaves broad and dark green in color, a habit of growth which gives it great endurance. Especially adapted to midseason market; also **very desirable for home-garden.** Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

Livingston's Early Sugar. Here is a very distinct and a very valuable addition to the early Sweet Corns. As compared with other good early sorts, it has bigger ears with more even rows which are filled well to the tip. Ears average 8 inches long by 2 inches in diameter, have from 10 to 12 rows of deep, broad, pearly white kernels of delightfully sweet flavor which is not surpassed by any other early kind.



Gill's Early Market

Corn, Sugar or Sweet--Cont.

Howling Mob. One of the best-flavored and most tender of all medium-early white Sweet Corns. The ears are 7 to 8 inches long, with 12 to 14 rows of pure white grains. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

Livingston's Broad-Grained. For a number of years this variety has been closely selected to produce the broadest possible grains, and, at the same time, to retain its depth of grain and splendid quality. The ears are of 8-rowed type and 8 to 10 inches long. It is ready for use in about 80 days. There is no variety in our list we would recommend more highly for uniform size and quality. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

EARLY EVERGREEN. An early strain of Evergreen. The ears grow to a good size, usually about 7 inches long, and contain 16 to 18 rows of deep, sweet grains. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.40; \$3.25, 25 lbs.

Stowell's Evergreen. A favorite with canners and market gardeners for late use, and especially for the kitchen-garden. Ears large, kernels very deep, tender and of most delicious sweetness. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

Country Gentlemen. One of the richest flavored of all the late varieties. The plump, pearly white kernels are of great depth. Ears average 7 inches long by 2 inches in diameter. Pkt. 10c; 20c $\frac{1}{2}$ lb.; lb. 35c; \$1.15, 5 lbs.; 10 lbs. \$2.10; \$4.75, 25 lbs.

Yellow or Golden Sweet Corns

Bantam Evergreen. A Golden Evergreen. Has the good qualities of Golden Bantam combined with those of the Evergreen. Comes just right in season to follow the early sorts. Color a rich golden yellow. Ears about 8 inches long and 2 inches thick. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

Golden Sunshine. This new Corn will average about a week earlier than Golden Bantam. It has 12-rowed ears, 7 inches long, with deep yellow, deliciously sweet grains. Stalks grow only about 5 feet high. Especially valuable for its extreme earliness. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ lb.; lb. 40 cts.; \$1.25, 5 lbs.; 10 lbs. \$2.30; \$5.50, 25 lbs.

Whipple's Early Yellow. This new variety is double the size of Golden Bantam, only a few days later, and fine quality. The ear is 7 to 8 inches long and has 12 to 16 rows of large kernels. Stock grown from the originator's seed. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

Golden Bantam. One of the most delicious of all Sweet Corns. Ears are about 6 inches long, 8-rowed, filled with broad, sweet, golden yellow kernels. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.40; \$3.25, 25 lbs.



Japanese Hulless Pop-Corn



Bantam Evergreen Corn

BARDEN'S WONDER BANTAM. Same type, season and quality as Golden Bantam, but longer ear. Stalks grow from 5 to 6 feet high and have ears 8 to 10 inches long; 8 rows of rich golden kernels. Originator's stock. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

Pancoast Corn Slitter



Slits every grain on a cob of corn in three or four strokes. Does not remove the grain but cuts it so that the delicious corn is obtained with slight pressure of the teeth, leaving the hulls on the cob.

Excellent for preparing corn for muffins, fritters, etc. Slit the grains and push them into a dish with front of slitter, used as a scoop. Try one with your order.

Nickel-plated. 35 cts. each, \$1 for 3, postpaid.

Silver-plated. 75 cts. each, \$2 for 3, postpaid.

Pop-Corn

Japanese Hulless (Tom Thumb). A heavy yielder of short, thick, uniform ears and shells out heavy on account of very deep grains. It pops out a very large, pure white grain, and is of delicious quality. Very tender but retains its shape very well. Dwarf-growing. An excellent popper. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ lb.; lb. 20 cts.; 55 cts. 3 lbs.; 5 lbs. 85 cts.

WHITE RICE. Very productive; excellent quality; very crisp and delicious. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ lb.; lb. 20 cts.; 55 cts. 3 lbs.; 5 lbs. 85 cts.

Gurten

Cucumbers *Cobombro*

Culture.—As soon as the weather has become settled and warm, plant in hills 4 to 6 feet apart each way, with 8 to 10 seeds in a hill; cover $\frac{1}{2}$ inch deep, smoothing the hill off with the hoe. For pickles, plant from June 1 to August 1. The fruit should be gathered when large enough for pickling, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness.

One ounce of seed will plant about 50 hills; 1 to 2 pounds to the acre

Livingston's Colorite. A White Spine type. Its rich, dark green color extends well down to the blossom end. Straight and cylindrical, with medium blunt ends. Length averages 10 inches. Excellent for home use and a good shipper. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Livingston's Extra-Early White Spine. The most thoroughbred, uniform, and shapely variety of White Spine known, not only for first early, but for general crop as well. Vines are vigorous growers. The very best for slicing, and makes choice pickles; straight and smooth. A great bearer and keeps green much longer than the yellow varieties. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1, lb.

Livingston's Evergreen Pickling.

Introduced by us in 1890. Generally admitted to possess every qualification required in a perfect pickling Cucumber. Exceptionally productive. It is a very strong grower, extra-early, and bears firm, crisp, evergreen fruits, which are excellent for slicing. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1, lb.

Early Fortune.

A fine variety of White Spine type. The fruit is of uniform size and shape and is of very firm texture, thus permitting long-distance shipping. Popular in South. The skin, which is dark green, holds its color remarkably well and therefore remains in slicing condition longer than some of the other standard sorts. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 30c; \$1, lb.

ARLINGTON WHITE SPINE. An early and very productive Cucumber. Fruit quite uniform, about 7 inches long and well rounded at both ends, of bright green color. Used for early slicing and when planted late it produces good pickles. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1, lb.



Livingston's Colorite Cucumber

WE CARRY A COMPLETE LINE
LAWN AND GARDEN TOOLS
SEE PAGES 76 and 77

Longfellow. An excellent, long, slender, dark green variety equally desirable for greenhouse forcing or outdoor culture, and an ideal type for the private garden or as a "straight pack" variety for shipment to market. It measures 12 to 14 inches long by $2\frac{1}{2}$ inches in diameter. A good healthy grower, very productive, and is fairly early. Pkt. 15 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 85 cts. $\frac{1}{4}$ lb.; lb. \$3.

Green Prolific or **BOSTON PICKLING.** Of uniform growth, seldom too large for pickling; produces fine, short, green pickles, and is immensely productive. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

Davis Perfect. By using this variety gardeners can produce Cucumbers outdoors that will sell in the market for hothouse forcing varieties. The shape is ideal, tapering at both ends. It is almost seedless, and the few seeds when in eating condition are so small and tender that they are hardly noticeable. Most important of all, it does not lose its dark, rich color when grown outdoors. Makes a fine pickle also. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.



Davis Perfect Cucumber

Cucumbers--Cont.

KLONDIKE. Excellent strain of White Spine, remarkable for the uniformly dark green skin of its shapely fruits. Popular with southern planters for shipping north. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1. lb.

EXTRA-LONG or EVERGREEN WHITE SPINE. Averages longer than other strains. Extra-fine shape and quality; makes a good pickle, may be used for growing under glass. Pkt. 10c; 15c oz.; $\frac{1}{4}$ lb. 35c; \$1.10 lb.

Improved Long Green. The vines are very strong-growing and productive. The fruits are quite long, averaging 8 to 10 inches in length, and dark green in color. This good old sort is very popular both as a slicer and for pickles. One of the best general-purpose Cucumbers. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.10 lb.

EARLY GREEN CLUSTER. The small, short prickly pickles are borne in great profusion in clusters of two and three. Fine for bottling. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1.00 lb.

WESTERFIELD CHICAGO PICKLING. A deep green pickle of medium length, slightly pointed at ends. Pkt. 10c; 15c oz.; $\frac{1}{4}$ lb. 30c; \$1 lb.

GHERKINS. Used only for pickles. Fruits small, oval, about 2 by $1\frac{1}{4}$ inches, covered with spines; color light green. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Chicory

Culture.—Sow the seed in June in open ground, in rows 12 to 14 inches apart, keeping free from weeds; water if necessary. Take up the roots in November and cut off top to about $2\frac{1}{4}$ inches from the neck and shorten lower end to a uniform length of 8 to 10 inches. Prepare a trench 16 to 18 inches deep and place roots upright, $1\frac{1}{2}$ inches apart. Fill in level with good, light soil and by covering with $1\frac{1}{2}$ feet of manure any portion may be forced as needed. In four to five weeks the heads will be ready for use. The blanched head is the edible portion and is generally eaten raw as a salad.

WITLOOF (French Endive). High-grade general stock. Pkt. 10 cts.; 25 cts. oz.; $\frac{1}{4}$ lb. 75 cts.; \$2.50 lb.

WITLOOF, SELECTED FORCING. Especially selected stock for greenhouse forcing. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1.00 $\frac{1}{4}$ lb.

THE JECTOR

Rapid, easy and safe method of applying PLANT FOODS to lawns, gardens, etc. Applies correct amount to given area and waters in at same time. Saves time and material. Fine for oiling dusty streets, driveways, etc.

PRICE \$1.60 POSTPAID



W. A. Tanner, Washington Co., Virginia, writes: "The Tomato seed came alright and I thank you for your prompt service."

Ralph W. Sterling, Long Island, N. Y., writes: "Kindly send as good a lot of cucumber seed as you sent me last year for the Porto Rico trade, as your Early Fortune did well, the best they had."

Collards

A plant of the cabbage family. It is well adapted to the South, enduring extreme heat; excellent for greens.

TRUE SOUTHERN or GEORGIA. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.



Taking data from our 1931 beet trials at our "True Blue" farms. We are continually growing and selecting for quality stocks.

Corn Salad or Fetticus

A vegetable used as a salad. Sow at the first opening of spring for summer use in rows 1 foot apart, and it is fit for use in six to eight weeks.

LARGE-LEAVED. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Dandelion

Culture.—Sow in May or June, in warm, rich soil, in rows $1\frac{1}{2}$ feet apart and cover seed $\frac{1}{2}$ inch. Some of the plants will be ready for use in September; the remainder the following spring.

One ounce of seed will sow 150 feet of drill

LARGE-LEAVED. Leaves fully double the size of the common Dandelion. They make delicious "greens." Years of the most careful cultivation have developed a very fine strain of seed. Pkt. 15 cts.; 35 cts. $\frac{1}{2}$ oz.; oz. 65 cts.; \$2.15 $\frac{1}{4}$ lb.

Dill

Culture.—Sow, early in the spring, thinly in rows about $1\frac{1}{2}$ feet apart for hand cultivation or $2\frac{1}{2}$ feet apart if to be cultivated with horse. Cover seed about $\frac{1}{2}$ inch. Dill is used in large quantities for flavoring cucumber pickles and vinegar.

COMMON. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 50c lb.

MAMMOTH. Similar to above except larger plant and seedheads. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 65c lb.



Chicory, Selected Forcing



Livingston's Mammoth Purple Eggplant

Livingston's Mammoth Purple. This is a splendid strain of New York Improved Large Purple. It is quite early, a sure cropper, and entirely spineless. The plants are large, vigorous, and very productive. Fruit is uniform in color and shape, very large—usually 6 to 8 inches in diameter, sometimes larger; skin a handsome dark purple, smooth and glossy; flesh white, of superior quality. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.15 $\frac{1}{4}$ lb.; lb. \$4.

Endivien-Salat

Endive

*Endibia o
Escarola*

For an early crop, sow in April in rows 15 inches apart, and later thin the plants to stand 1 foot apart in the row. The main sowings are made in June and July. When nearly full grown, gather up the leaves and tie them by their tips to blanch the heart.

One ounce of seed will sow 150 feet of drill

Large Green Curled. A hardy, vigorous-growing variety with bright, deep green leaves. The dense mass of deeply divided leaves formed in the center blanches very readily to rich creamy white. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

FINE GREEN CURLED. A hardy variety with deep green leaves, beautifully cut and curled, easily blanched. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1, lb.

BROAD-LEAVED BATAVIAN. The broad, thick, slightly wrinkled leaves form very large heads, which are much used in soups. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.10 lb.

Florence Fennel

A bulb-like vegetable which is formed above the ground at the base of the leaf-stalk, if the plant is well grown. Blanched and boiled it has a slightly aromatic odor and pleasant taste. Plant very branching, upright, with dense, thread-like foliage. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1, lb.

Eierpflanze

Eggplant *Berenjena*

Culture.—Sow seeds in hotbed or warm greenhouse in March or early in April. If no hotbed is at hand, they may be grown in any light room where the temperature will average 75 degrees. When plants are 2 inches high, or have formed two rough leaves, transplant them into beds and set 3 to 4 inches apart. Keep beds closed and very warm, shading from direct rays of the sun and giving an occasional watering until the weather is warm and all danger from frost and cold nights is past; then harden the plants by gradual exposure to the sun and air, and transplant to the open ground late in May or June, into warm, rich soil, 2 to 3 feet apart each way. When about a foot high, draw the earth up to the stem.

One ounce of seed produces about 1,500 plants

Black Beauty. Earlier than the purple varieties. Fruit rich, lustrous, purplish black color. It is a distinct sort and a favorite where known. The plants are remarkably healthy in their growth and yield an abundance of large fruits that are very attractive and of the best quality. This variety is entirely spineless. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.15 $\frac{1}{4}$ lb.; lb. \$4.

NEW YORK IMPROVED LARGE PURPLE. A leading variety. Fruit very large, oval, smooth, deep purple; flesh white and of good quality. Similar to Livingston's Mammoth. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.10 $\frac{1}{4}$ lb.; lb. \$3.75.

FLORIDA HIGH BUSH. A large-fruited purple sort. The fruit is held well up off the ground, preventing rot, hence its name. A splendid shipper. Popular in the South. The plant is vigorous, productive, drought-resisting, and stands wet weather well. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.15 $\frac{1}{4}$ lb.; lb. \$4.

Mrs. L. L. Lewis, Cuyahoga Co., Ohio, writes: "We have had splendid results from your seed."



Large Green Curled Endive

Garlic Sets

Garlic Sets or Bulbs are planted in early spring in rows 1 foot apart, placing the sets 4 inches apart in the rows, 2 inches deep, or in the same manner as multiplier onions. Garlic is used for flavoring purposes. Bulbs, oz. 5 cts.; 10 cts. $\frac{1}{4}$ lb.; lb. 25 cts.; \$1, 5 lbs.

Use **POMO-GREEN**, the new leaf-green fungicide.
See page 78

Herbs

Sweet, Pot, Culinary, and Medicinal

Culture.—Herbs delight in a rich, mellow soil. Sow in early spring in shallow drills 1 foot apart; cover lightly with fine soil, and when up a few inches thin out, or transplant into prepared beds. Care should be taken to harvest properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in dry bottles or dry boxes to exclude the air. Varieties in this list marked with an * require two years to mature.

	Pkt.	Oz.		Pkt.	Oz.
*Anise	\$0.05	\$0.10	*Lavender, Swt....	\$0.10	\$0.15
*Balm .....	.05	.35	*Peppermint .....	.10	
*Caraway .....	.05	.10	*Rosemary .....	.10	.35
*Catnip .....	.10	.75	*Sage, Bd.-leaved ..	.10	.25
*Coriander .....	.05	.10	Summer Savory....	.10	.15
Dill, Common .....	.05	.10	Sweet Basil .....	.10	.15
Dill, Mammoth .....	.05	.10	Swt. Marjoram....	.10	.15
*Fennel, Sweet....	.05	.15	*Thyme .....	.10	.30
*Horehound .....	.10	.25	*Wormwood .....	.10	.30

Blätterkohl Kale or Borecole Breton

Culture. Kale, or "German Greens," does not form heads, but it furnishes an abundance of pretty curled leaves that are highly prized as food. Sow from the middle of April to the beginning of May; transplant and cultivate like cabbage. Will endure considerable frost without injury.

One ounce of seed sows 200 feet of drill;
4 pounds sow an acre



Dwarf Green Curled Kale

Dwarf Green Curled Scotch. Dwarf and spreading. The leaves are beautifully curled and of a bright green color. Hardy. Pkt. 5 cts.; 10 cts. oz.; ¼lb. 30 cts.; \$1, lb.

Tall Green Curled Scotch. Very similar to the above in color, being a beautiful light green. The plant grows about 3 feet high, is very ornamental and makes excellent greens. Very hardy. Pkt. 5 cts.; 10 cts. oz.; ¼lb. 30 cts.; \$1, lb.

Siberian. Dwarf growth; bluish green leaves. Sow in September, in rows a foot apart, and cultivate the same as spinach. Very hardy and makes excellent spring greens. Pkt. 5 cts.; 10 cts. oz.; ¼lb. 25 cts.; 75 cts. lb.

Porree oderlauch Leeks Puerro

Cultivate the same as onions

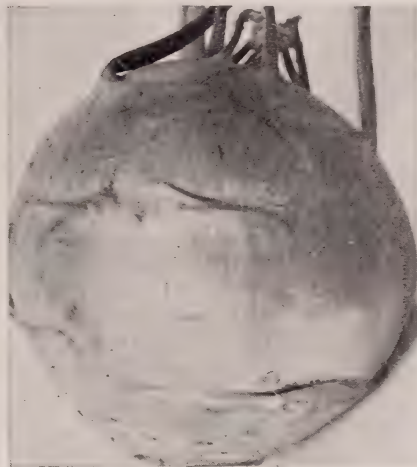
BROAD SCOTCH or LONDON FLAG. A hardy kind; large, strong plants with broad leaves. Pkt. 10 cts.; 15 cts. ½oz.; oz. 20 cts.; 65 cts. ¼lb.; lb. \$2.00.

We ship all seed quoted in this Catalog, transportation paid by us anywhere in the United States. Easier for both of us and a saving to you.

Kohlrabi

Kohlrabi Col rabano o Nabicol

(Turnip-rooted Cabbage)



White Vienna Kohlrabi

The turnip-shaped bulb formed above the ground is the edible part. The flavor seems to combine that of cabbage and turnip. When young and tender they are fine for table use; when matured they keep splendidly and are excellent for feeding stock.

One ounce of seed sows 300 feet of row

EARLY WHITE SHORT-LEAVED. An extremely early sort, with very small tops, thus allowing close planting; flesh white. Fine for forcing. Pkt. 10 cts.; 20 cts. oz.; ¼lb. 65 cts.; \$2 lb.

Early White Vienna. Greenish white outside, with clear white flesh within. Fine in quality. Pkt. 5 cts.; 15 cts. oz.; ¼lb. 45 cts.; \$1.50 lb.

EARLY PURPLE VIENNA. Same as above, except in the outside color. Pkt. 10c; 20c oz.; ¼lb. 65c; \$2, lb.



Leeks

Livingston's Lettuce

Culture.—For early spring use, sow in a seedbed in September or October, and protect through the winter in coldframes, or in the South with leaves or litter, or sow in a hotbed in early spring. Lettuce plants may also be started very successfully in the house in boxes which are about 5 inches deep. Make soil very fine and firm. Mark off into rows 2 inches apart and $\frac{3}{4}$ inch deep, into which sow the seed quite thinly; cover with blotting or brown paper fitted into the top of the box. First saturate the paper with water and keep moist until the seed germinates, then remove. Expose the young plants gradually to the light. As soon as the ground outside is dry and warm, so that it can be well worked, set out the plants 8 inches apart in the rows. For outside sow very thinly in rows $1\frac{1}{2}$ feet apart, covering seed $\frac{3}{4}$ inch deep with fine soil, and when well up thin to 1 foot apart in row.

One ounce of seed sows 100 square feet; plants 120 feet of row; produces 3,000 plants.

Leaf or Loose Headed Varieties

Arlington Fancy Curled.

A beautiful variety of the curly-leaf type. It resembles the best stocks of the Grand Rapids, but it is more beautifully curled. It is very true to type, of excellent quality, and for garnishing nothing in the Lettuce line excels it. Everyone should grow some of it, as it is one of those really good things that became popular favorites with the general public. It has a slight tendency to head, which makes it very crisp. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Black-Seeded Simpson.

Very popular among market gardeners, and fine for the home table. Forms a large, loose head of nearly white, curly leaves that are large, thin, very tender, and of good quality. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.40 lb.

EARLY CURLED SIMPSON.

Forms a compact mass of curly leaves of light yellowish green, very tender. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Heading Varieties

ICEBERG.

Beautiful large, curly leaves of light green, with a slight red tinge at the edges. Heads solid, crisp, tender, and of fine flavor. Do not confuse with Wonderful; they are entirely different. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 50 cts.; \$1.75 lb.



Selected Grand Rapids Lettuce

Selected Grand Rapids.

Especially adapted for greenhouse culture; also good to sow outside early in the spring. Our stock of this variety is extra fine as we pay more for it, and have it selected. It does not form a head, but makes large, compact bunches of light, attractively curled and fringed leaves. It grows very rapidly and keeps in good market condition for a long time after cutting. Should be sown more shallow than the other sorts, otherwise it may not germinate. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

OHIO GRAND RAPIDS.

It is a dark-leaved Grand Rapids, and a quick grower. Especially adapted to midwinter crops in greenhouse. Very hardy. Not advised for home-gardens. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Livingston's Crisp-as-Ice.

Introduced by us in 1895. A most beautiful, attractive Lettuce of the cabbage type. The heads are solid, of immense size, and so exceedingly crisp, tender and brittle as to fully warrant the name, "Crisp-as-Ice." The glossy leaves are thick, nicely crimped and curled; the outside leaves are beautifully variegated with dark brown, bronze and green. The heads when cut open, have a rich, creamy yellow heart. A superior family and home-market Lettuce, and so hardy as to withstand frost very late in the season. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 20 cts.; 65 cts. $\frac{1}{4}$ lb.; lb. \$2.

MAY KING.

An early variety of head lettuce. Grows quickly, producing fine, medium-sized heads, even in poor soil. It is not easily affected by cold or wet weather. Pkt. 5 cts.; 10 cts. $\frac{1}{2}$ oz.; oz. 15 cts.; 45 cts. $\frac{1}{4}$ lb.; lb. \$1.50.

White Boston.

Forms a fine, large, solid head similar to Big Boston, but does not have brown edges on the outer leaves. Blanches to creamy yellow. Comes earlier than Big Boston. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.



White Boston Lettuce

Heading Varieties Lettuce--Continued



Wonderful Lettuce

Wonderful (New York). A truly wonderful heading variety. It is peculiar in having a dark green leaf when growing, but the head blanches to a light green with a center of creamy white. Heart is solid, sweet, tender, and crisp. This variety frequently weighs 2 to 3 pounds and has been known to grow to 6 pounds. Should be planted to avoid hot seasons for heading. Perfect heads may be cut from the same bed for many weeks. Pkt. 10c; 15 cts. ½ oz.; oz. 20c; 65c ¼ lb.; lb. \$2.

All-Heart. It is a very reliable, hard-heading variety of Cabbage-Lettuce and will give satisfaction wherever grown. It rarely fails to make a large, solid head. Withstands heat; leaves are closely set, having a solid heart, even before it is fully grown. Color yellowish green; flavor rich and buttery. Pkt. 10 cts.; 15 cts. oz.; ¼ lb. 45 cts.; \$1.50 lb.

Senf Mustard Mostaza

Culture.—The leaves are used as a salad or may be boiled like spinach. Sow seed in any good garden soil early in the spring, in rows 1½ to 2 feet apart, and when well up thin out the plants so as to stand 8 to 10 inches apart. Several sowings a week or so apart gives tender leaves throughout the season.

One ounce of seed will sow 50 feet of row

Fordhook Fancy. The vigorous-growing plants have beautiful, dark green, curled leaves. It is most productive from early spring sowings, and stands well, even during the hot summer months. Most popular of all. Pkt. 5 cts.; 10 cts. oz.; ¼ lb. 30 cts.; \$1 lb.

CHINESE. A giant curled variety with leaves of large size. Pkt. 5 cts.; 10 cts. oz.; ¼ lb. 20 cts.; 60 cts. lb.

WHITE ENGLISH. Leaves are light green, mild, and tender when young. Seed light yellow. Pkt. 5 cts.; 10 cts. oz.; ¼ lb. 15 cts.; 50 cts. lb.

Southern Giant Curled. Is highly esteemed in South, where the seed is sown in the fall and plants used early in spring as a salad. Large bunches of tender green leaves. Pkt. 5 cts.; 10 cts. oz.; ¼ lb. 25 cts.; 75 cts. lb.

Selected Big Boston. (White - seeded.)

This selected Lettuce is a very desirable large variety for forcing in coldframes and for outdoor planting. Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color. It forms good-sized heads and does particularly well during the cool fall and spring months. Heads firm, and of superior quality. Pkt. 10 cts.; 15 cts. oz.; ¼ lb. 45 cts.; \$1.50 lb.

PRIZE HEAD. Heads are large, light green tinged with brownish red, and of superb flavor. Even the outer leaves are crisp and tender. Extremely hardy. Very fine for home use but too tender to ship any great distance. Pkt. 10 cts.; 15 cts. oz.; ¼ lb. 45 cts.; \$1.50 lb.

IMPROVED HANSON. None more reliable for outdoor cultivation. Heads grow to large size, and are very slow to run to seed. Outer leaves are bright green and beautifully frilled on the edges; inner leaves white and deliciously sweet, tender, and crisp. It stands summer heat the best. Pkt. 10 cts.; 15 cts. oz.; ¼ lb. 35 cts.; \$1.25 lb.

TRIANON COS (Romaine). The long, narrow leaves, which form solid heads, blanch and become snowy white. Excels in quality and crispness. Can be eaten in the same manner as celery. Pkt. 10 cts.; 15 cts. oz.; ¼ lb. 45 cts.; \$1.50 lb.

Unrivalled. Heads of this variety are large, solid, and of a beautiful light green color, shading to creamy white at the center. The quality is fine, having a rich buttery flavor. Similar to Big Boston, but it does not have the red tinge of that sort. Pkt. 10 cts.; 15 cts. oz.; ¼ lb. 45 cts.; \$1.50 lb.

LIVINGSTON'S LETTUCE MIXTURE. One sowing produces salad for the season. Contains a grand assortment of decidedly distinct and excellent Lettuces. Liberal pkt. 5 cts.; 10 cts. ½ oz.; oz. 15 cts.; 45 cts. ¼ lb.

Prize Lettuce for Poultry

CHICKEN LETTUCE. A genuine Lettuce which yields as much chicken-feed as any "greens" plant. It does not make a head, but has stalk 3 to 4 feet high, loaded with leaves. When cut it starts to grow again. Pkt. 10 cts.; 15 cts. oz.; ¼ lb. 45 cts.; \$1.50 lb.



Fordhook Fancy Mustard

Zücher-Melonen

Muskmelons or Cantaloupes

Melon
Almizcleno
o Cantain

Culture.—A rich, sandy soil and good seed are absolutely necessary for success in raising the best Muskmelons. The seed should not be planted until the ground has become dry and warm; plant in hills 6 feet apart each way; old, well-rotted manure should be thoroughly mixed with the soil in each hill and in liberal quantity. Put six to ten seeds in the hill and when danger from insects is past, leave three or four

of the strongest plants only. Muskmelons or Cantaloupes may also be sown in rows that are made about 6 feet apart, and when the plants are well up thinned to stand in hills 5 to 6 feet apart, just before the plants begin to run. This method requires more seed but insures a good stand of plants in spite of the bugs. Cultivate often and not deep.

One oz. will plant 60 hills; 2 to 3 lbs. will plant an acre

Green Fleshed Varieties



Livingston's Ohio Sugar Muskmelon

Livingston's Ohio Sugar. Absolutely distinct and very superior melon, the result of years of most careful and painstaking selection and breeding. One of the sweetest and most luscious green-fleshed Cantaloupes now on the market. It is the rarest exception that an under-quality melon is found. Of that desirable size in demand in all markets, round, inclined to oval in shape, heavy in proportion to size because the flesh is deep. Distinctly ribbed and well netted—color of skin gray-green. The firm flesh is an attractive green of exquisite texture, sugary, juicy, tender, and free from stringiness; seed cavity is small. Uniform shape. A market and home-garden melon. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Delicious Gold-Lined Rocky Ford.

The shape is slightly oval, heavily netted. Flesh thick, fine-grained, and sweet; color green with a gold margin next to the seed cavity. Attractive both as to outward appearance and when cut. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Extra-Early Knight. (Sweet Air.) A very early, medium-sized melon. Fruit oblong; skin deep green, turning to golden at maturity, well covered with a close gray netting and distinctly ribbed; flesh fairly thick and very sweet; color medium green blending to light pink near the center. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Honey Ball. As round as a ball. Thick skin, cream colored and smooth, sweet green flesh and small seed cavity. It is a prolific and long keeping variety. Early maturity makes it popular where the season is short. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Honey Dew. Green fleshed. Sweet as honey. Averages about 6 inches in diameter and weighs five to six pounds. The skin is smooth with little netting, flesh green, very thick and fine-grained. Pkt. 10c; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Rocky Ford. A netted Gem melon with sweet, green flesh of high quality. Fruit small, almost round, smooth, slightly ribbed, densely covered with netting. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1.00 lb.

Paul E. Parker, Du Page Co., Illinois, writes 4/23/31: "We know the seeds we get from you will grow and have good vegetables and flowers. We never found muskmelons like the Tip Top or Ohio Sugar."

We ship all seed quoted in this Catalog, transportation paid by us anywhere in the United States. Easier for both of us and a saving to you.

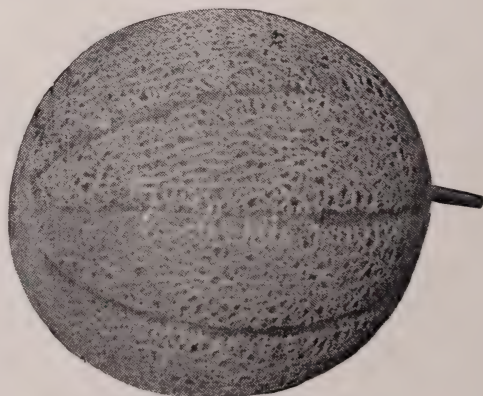
Salmon Fleshed Varieties

Emerald Gem. Ripens early. Medium-sized, nearly round melon, with delicate light salmon flesh, very thick, fine-grained, and of superb flavor. The rind is thin, dark green, ribbed, slightly netted. One of the best for home use. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Honey Dew. Salmon fleshed. Same as above green fleshed. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Hearts of Gold. The original name of this melon was Hoodoo, but Hearts of Gold is much better. Vine vigorous, blight-resisting, and very productive. The fruits vary slightly in shape, averaging nearly round. The netting is very dense and fine over the entire surface. Rind, although thin, is very firm, hence it is one of the best shipping sorts. Flesh salmon, very thick, highly colored, of finest texture, and delicious flavor. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

SPECIAL PRICE ON MELONS IN LARGE QUANTITIES



Hearts of Gold Muskmelon

Muskmelons or Cantaloupes

Salmon Fleshed Varieties--Continued

Livingston's Tip-Top. **Tip-Top in quality, appearance, and productiveness.** Introduced by us in 1892. This splendid melon has "held its own" for many years against all introductions in the melon line, and no yellow-fleshed melon of which we have any knowledge compares with it in good qualities. The testimony of all who have used **Tip-Top** is that every melon produced, whether big or little, early or late, is a good one—

sweet, juicy, finest flavor, firm fleshed and eatable to the outside coating. Its appearance on the market is very attractive—sells on sight. Customers soon learn to pick them out and will have no other variety. Fruit of large size, and flesh bright salmon in color; slightly oblong, evenly ribbed, moderately netted, very productive. Originator's Strain, pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.; 5 lbs. \$6.25.

THE
KING
OF
ALL
MELONS



TIP
TOP
TOPS
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ALL

Livingston's Tip-Top Muskmelons

Bender's Surprise. A very popular variety in the East, particularly in northern New York. Skin light greenish yellow when ripe. A very delicious, large, salmon-fleshed melon with superior shipping and keeping qualities. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

BANANA. Very odd; 18 to 21 inches long. Yellow flesh, blending from bright green to rich salmon. Early. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

BURRELL'S GEM. A superior orange-fleshed shipping melon. It is of splendid flavor, sweet and aromatic, oblong, averaging 6 by 4 inches, with smoothly rounded ends and closely netted and slightly ribbed dark green skin. The rind is thin; flesh deep rich salmon. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Osage. Large, oval, slightly ribbed and netted; skin very dark green; flesh very thick and sweet, delicious to the rind. Crop very even and fruit extra heavy. A favorite main-crop variety for market purposes or home-garden. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Extra-Early Osage. A week to ten days earlier than the old-type Osage, and nearly as large. Flesh very thick, salmon-colored, and of high quality. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Pollock's No. 10-25. Fine keeping and shipping qualities. Flesh salmon at the center, shading to light green at the rind; thick flesh and very sweet. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Greeley Wonder. 4 to 5 pounds, nearly round, heavy netting. A late sort. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.15 lb.

Hale's Best. A slightly oval variety averaging about $7\frac{1}{2}$ inches long. Very thick and fine-flavored salmon flesh. It is heavily netted with little trace of ribs, making it a good shipper. Early. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Honey Rock. An early, almost round variety, measuring about 6 inches. Has a very coarse, heavy netting. The flesh is salmon, very thick and fine flavored. The rind is light gray, turning to cream as maturity approaches. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Lake Champlain. An exceedingly early salmon-fleshed melon of medium size and good quality. It is not entirely true as to type, but on account of its extreme earliness and quality we recommend its use for home and near-by markets. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Edward's Perfecto. Said to be superior to Pollock's No. 10-25. Fruit very uniform in size, nearly round, and densely covered with a hard gray netting. Flesh very thick and of a beautiful salmon color, shading into green as it nears the rind and very sweet. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Hotkaps

An individual hothouse for each plant.



Try Hotkaps in growing your melons, cucumbers or other vine crops. Ideal protectors against frost, wind, rain and insects. See page 75 for complete details.

Home Garden Size (50 with setter)....\$1.50 pp.

Waffer-Melon

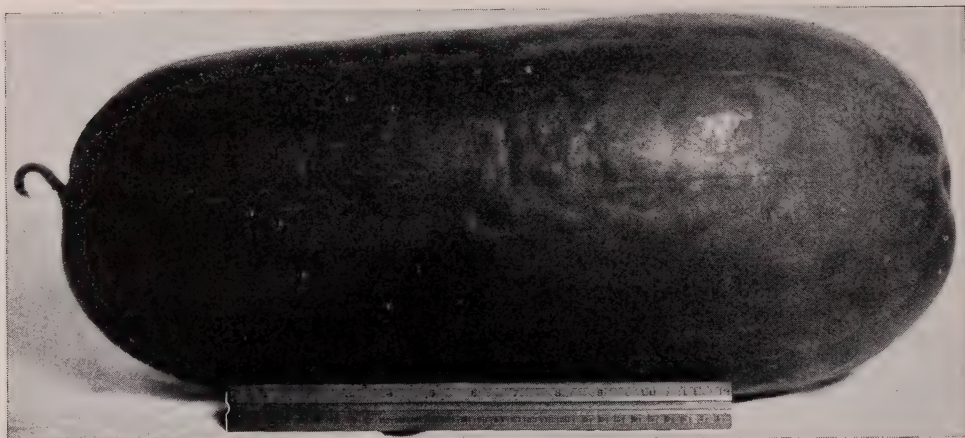
Watermelons

Sandias

Culture. A light, sandy soil, with good exposure to the sun, is the best situation for Watermelons. The ground should be prepared deeply, but receive shallow cultivation. Hoe often and very thoroughly about the hills. If extra-large Watermelons are desired for exhibition purposes, leave but one or two on a single vine. Plant in hills 8 to 10 feet apart each way, with

a very generous shovelful of well-rotted manure mixed with the soil in each hill. If commercial fertilizer is used, it should contain a large percentage of ammonia and potash. Plant eight to ten seeds in each hill, and finally, when danger from insects is past, thin out to three strong plants. **Watermelon seeds being large, an ounce is about right for small gardens.**

One ounce of seed will plant 20 to 30 hills; 4 to 5 pounds will plant an acre



Improved Kleckley's Sweets Watermelon

Improved Kleckley's Sweets Watermelon.

An improved strain of Kleckley's Sweets, being more full at either end. It is large, heavy, oblong and has an even dark green skin and rather thin rind. Averages 18 to 20 inches in length and 10 to 12 inches in diameter. Flesh is bright scarlet, with solid heart deliciously crisp and sugary. One of the most desirable varieties for home garden or local market growing. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Halbert Honey.

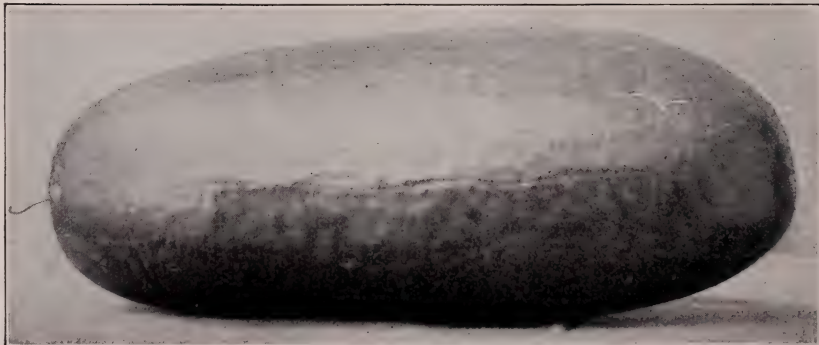
A very sweet, long, dark, green variety. Fruits average 18 to 20 inches long, have a thin rind and deep red meat of delicious flavor; pulp entirely free from stringiness; seeds white. One of the finest for the home-garden. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 20c; lb. 60c.

HARRIS' EARLIEST. One of the earliest good Watermelons. Large, oval sort, with mottled skin. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

PRESERVING CITRON. Red-seeded. Most desirable for preserves. Flesh solid and white. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

Ice Cream. True White-seeded.

The great kitchen-garden and home-market Watermelon. Few varieties, if any, surpass a true Ice Cream Watermelon for quality and productiveness. Of good size; medium early; fruit oblong; rind light mottled green. The bright red flesh is solid to the center, and is melting and delicious. Not a good shipper. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.; 5 lbs. \$2.50.



Ice Cream Watermelon

Tom Watson. Greatest of all shippers. An extra-long melon of attractive appearance, uniform in shape and quality. The average melon will weigh 35 to 40 pounds and measure about 24 inches long and about 10 inches in diameter. Its luscious crimson flesh is sweet, melting, and of superb flavor. It is very prolific, producing in greatest abundance the large, delicious fruits. Rind thin but tough, hence popular for shipping. We sell large quantities of Tom Watson to commercial growers. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.; 5 lbs. \$2.50; \$4, 10 lbs.

Fordhook Early. The earliest and best melon of good size. Next to Cole's Early in time of ripening, but much larger. Fruit round; skin dark green; flesh is bright red, of fine quality. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

COLE'S EARLY. Very hardy. A sure cropper for Northern States. Its dark red flesh is delicate in texture; rind green, striped with lighter shades, thin and brittle; of medium size and nearly round. Matures early. Especially good for home use. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

Watermelons ---Continued

Irish Gray. This melon has already become popular. The vine is very vigorous and holds up well. Its melons are similar in shape and size to Tom Watson. The rind is beautiful greenish gray, very attractive, thin but very tough, hence a good shipper; flesh red and free from stringiness. Well adapted for either market or home use. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25c; 75c lb.

THURMOND GRAY. A large, long melon which comes into bearing at the same time as Tom Watson. It has beautiful gray-green skin—very attractive. The flesh is a rich crimson in color and of delicious flavor. An improvement on Gray Monarch. It will stand shipping remarkably well. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

GRAY MONARCH (Long Light Icing). Very large melons, oblong in shape with sweet, crimson flesh and gray skin. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

Chilian. (White-seeded.) Has a great reputation on the Pacific Coast. Fruits medium size, nearly round, or slightly oblong; skin rich, deep green, indistinctly mottled and striped with a lighter shade; flesh bright red, fine grained, and sweet, quality second to none. A good shipping melon. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 20c; 60c lb.

SWEETHEART. Splendid for shipping—popular in the South. It is hard to beat as to quality and productiveness. Melons oval, very heavy, very thin rind, but firm. In color it is a light green, slightly veined with a darker shade. The flesh is a bright red, very tender and sweet. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.; 5 lbs. \$2.50.

FLORIDA FAVORITE. A splendid oblong early melon. Skin dark green, slightly mottled, with still deeper shade; flesh dark red and of the finest flavor and quality; seeds white. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

We can supply Phinney's Early, Round Dark Icing, Georgia Rattlesnake, Round Light Icing, Peerless, and Alabama Sweet. Each, pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

Okra or Gumbo

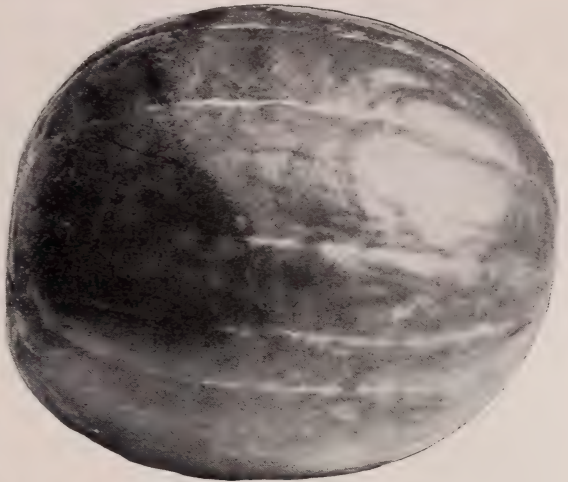
Culture. — Very wholesome. The pods, when young, make fine soup and are also used in mixed vegetable soups. Plant seed after the ground is warm and dry, in drills 3 feet apart, thinning the young plants to 1 foot apart. Make early and late sowing to secure a supply throughout the season. Easy to grow in any good garden soil. Popular in the South.

One ounce of seed will sow 40 feet of drill

Dwarf Long-Pod. Grows only 3 feet high and begins setting its deep green, long, tender pods very early, close to the ground, and very abundantly. Continues to bear late in the season. Adapted to small gardens. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

White Velvet. Distinct in appearance. The large pods are perfectly round, smooth, and attractive velvety white, of superior flavor and tenderness. Plant dwarf, of compact branching growth, and very prolific. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

Perkins' Mammoth. Very attractive dwarf plant. Produces beautiful, long, slender, deep green pods, which remain tender a long time. An extra-good variety. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.



Stone Mountain Watermelon

Stone Mountain or Dixie Belle. A very large, medium dark green, round melon of excellent quality. Flesh highly colored, very solid, with fewer seeds than most melons. The rind is tough enough to stand handling for shipping. We find this melon somewhat earlier than other large varieties. It is very productive and can be grown farther north than many of the long varieties. It is excellent for home growing. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.; 5 lbs. \$5.25.

LIVINGSTON'S ORANGE. Inner portion resembles an orange, hence its name. Inner core separates from rind when ripened and can be lifted out. Flesh beautiful pink shade, fine quality. Size, medium. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

Special prices on Watermelon in 10- to 100-pound lots

Mushroom Spawn

Mushrooms may be grown in a shed, cellar, or cave, under the benches in greenhouses; in fact, in any place where conditions of temperature and moisture are favorable or can be controlled. We receive fresh Spawn several times a year from the best American growers.

American Pure-Culture Spawn. Produced from original spore cultures under the new French process, which permits the indefinite reproduction of selected varieties without dilution of the strain, and free of any trace of the parasitic diseases of the Mushroom. Positively the most vigorous and prolific Spawn on the market. Each brick weighs 1 pound or more, and will spawn about 10 square feet of beds. Produces a crop very uniform in size and color. Per brick, 40c; \$1.50, 5 bricks; 25 bricks, \$6.75, postpaid.

CULTURAL LEAFLET WILL BE SUPPLIED TO CUSTOMERS

Arthur L. Brooks, Brooks Gardens, Miami Co., Ohio, writes: "I want to say your melon seed were fine. I have as fine a patch of melons as any one in the country, about 1700 hills. I will this fall give you people my order for seed for next season. I like your seeds."

Zwiebeln

Choice Onion Seeds

Cebollas

Culture.—Onion seed should be sown as early in the spring as possible to get the ground in shape, even though the weather is cold. Thorough preparation of the soil is one of the most essential points in successful Onion-growing. They delight in a rich, deep, sandy loam, but excellent yields can be obtained from

heavier soils properly fertilized. Sow the seed in rows 12 to 14 inches apart and about $\frac{1}{2}$ inch deep. After they are well started, or about 3 to 4 inches high, thin out to stand about 2 inches apart, keeping them well hoed and free from weeds at all times throughout the season.

Complete cultural leaflet free to customers



Ohio Yellow Globe

Ohio Yellow Globe. This early fine strain is of that extreme type of Globe now so deservedly popular in all large Onion markets. Its main points of excellence are: **Distinct and attractive shape; handsome, bright, even color; necks very small; ripens early, and all at once.** The solid bulbs are **excellent winter keepers**, and all that can be desired in size and quality. This superb Onion is the most popular of the Yellow Globe sorts. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 20 cts.; 65 cts. $\frac{1}{4}$ lb.; lb., \$2.

Mountain Danvers. This variety is semi-round. It is one of the very earliest and seems to ripen practically all the crop at once. Color is a beautiful dark yellow, shading to brown. It is an excellent keeper and shows less shrinkage than any other variety. The skin is thick and heavy, which makes it a good keeping and shipping sort. Grown for us on contract in Colorado, in altitudes which are peculiarly adapted to producing Onions of extreme earliness and hardiness. A fine sort to grow for sets on account of its good keeping qualities. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 70 cts. $\frac{1}{4}$ lb.; lb. \$2.25.

Onion Sets

Lowest market prices on quantities on application. A pounds of Sets is equal to about a quart measure.

WHITE. $\frac{1}{2}$ lb. 20 cts.; 35 cts. $\frac{1}{2}$ lb. postpaid.

YELLOW or BROWN. $\frac{1}{2}$ lb. 20 cts.; 30 cts. lb. postpaid.

Ask for prices on large quantities of Onion Sets

Yellow Varieties

Ebenezer. (JAPANESE). This is the mildest yellow Onion in our list. The Onions are large (often 4 inches in diameter), somewhat flattened, have attractive yellow skin and firm white flesh of delicate flavor; very small top and ripens quite early for so large a variety. One of the best for sets as they keep almost indefinitely. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 20 cts.; 65 cts. $\frac{1}{4}$ lb.; lb. \$2.

Riverside Sweet Spanish. An improved strain of the Sweet Spanish Onion, superior in flavor, mildness, and keeping qualities. It is a large, well-shaped, brown Onion, weighing from 1 to 3 pounds. Unusually mild, but retains that genuine Onion flavor. Being a good keeper, it ships as well as any other. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.

AILSA CRAIG. Large, mild-flavored, Spanish type. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

YELLOW GLOBE DANVERS. Early and abundant cropper. large, very thick bulb, flat or slightly convex bottom, full oval top, small neck and rich brownish yellow skin. We consider our Globe Danvers just right for critical growers. Pkt. 5 cts.; 10 cts. $\frac{1}{2}$ oz.; oz. 15 cts.; 50 cts. $\frac{1}{4}$ lb.; lb. \$1.75.

YELLOW DUTCH or STRASBURG. Used more than any other variety for growing yellow Onion sets, but the Ebenezer and Mountain Danvers should be tried. It is also a good-keeping, half-round sort for home use. We have a superior strain of this popular variety. Pkt. 5 cts.; 10 cts. $\frac{1}{2}$ oz.; oz. 15 cts.; 50 cts. $\frac{1}{4}$ lb.; lb. \$1.75.

SOUTHPORT YELLOW GLOBE. Produces large, perfectly globe-shaped bulbs. Color of the skin is brownish yellow. Flesh white, fine-grained and crisp. Quite similar to Yellow Globe Danvers, but a little later and of larger size. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 20 cts.; 65 cts. $\frac{1}{4}$ lb.; lb. \$2.



Mountain Danvers Onion

Choice Onion Seeds

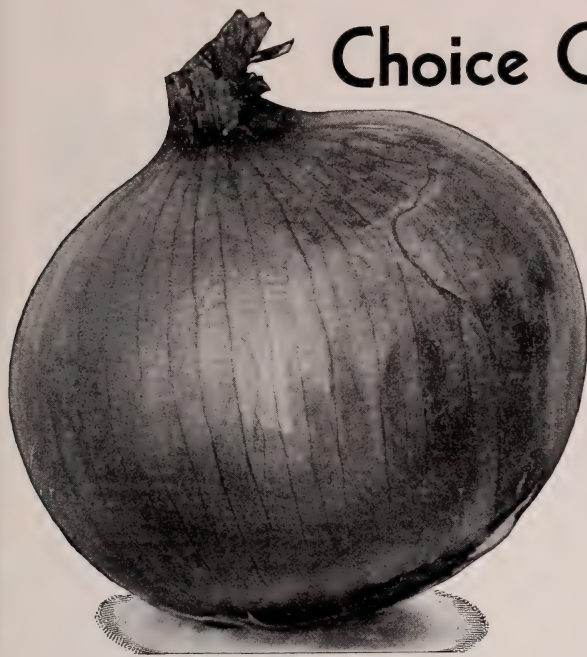
Yellow Varieties---Continued

Mammoth Yellow Prize-Taker. Can be grown to enormous size and is hardy and a good keeper for one of such mild flavor. It ripens up firm and very fine grained. Skin rich light yellow; flesh white. Heavy yielder. Often grown by the transplanting method. Our seed is American grown. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 70 cts. $\frac{1}{4}$ lb.; lb. \$2.25.

Red Varieties

Southport Red Globe. Most popular of any red Onion, especially in the West. The largest of the Southport Onions, ripening from a week to ten days after the yellows. The bulbs are remarkably uniform in shape, of a rich red color, ripen evenly and yield a large percentage of Onions. Flesh pinkish white. They ripen down hard, keep well, and their beautiful appearance helps to sell them. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 20 cts.; 65 cts. $\frac{1}{4}$ lb.; lb. \$2.00.

LARGE RED WETHERSFIELD. A standard red variety. Large; skin deep purplish red; form round and flattened; flesh purplish white. One of the best keepers. A great yielder. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 20 cts.; 65 cts. $\frac{1}{4}$ lb.; lb. \$2.00.



Mammoth Prizetaker Onion

White Varieties

Southport White Globe. The handsomest Onion grown. Beautiful silvery white, perfectly globe-shaped, uniform in size. Flesh firm, fine grained, solid, and of pleasant flavor. Very small neck. Our stock of this important variety has been giving great satisfaction. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

Indiana Silverskin. This is a fine strain of pure white Onion that produces round, hard Onion sets. Bulbs are flat. One of the best keeping white varieties. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 70 cts. $\frac{1}{4}$ lb.; lb. \$2.25.

WHITE PORTUGAL or SILVERSKIN. Matures early. Rather flat in shape, mild flavor. Excellent for winter. Very much esteemed for pickling when small. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 70 cts. $\frac{1}{4}$ lb.; lb. \$2.25.

MAMMOTH SILVER KING. Of attractive shape, with silver-white skin and flesh of most agreeable mild flavor. Matures quite early and is of large size. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 70 cts. $\frac{1}{4}$ lb.; lb. \$2.25.

EXTRA-EARLY WHITE BARLETTA. The very earliest Onion in cultivation. One of the best for pickling. Mild and delicate. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 25 cts.; 75 cts. $\frac{1}{4}$ lb.; lb. \$2.50.

WHITE WELSH. Does not form a bulb but is the best sort for bunching. To carry over winter for spring use, seed should be sown in furrows 4 inches deep and filled in as the plants develop. Quality more mild than other perennial sorts. Pkt. 10 cts.; 15 cts. $\frac{1}{2}$ oz.; oz. 20 cts.; 65 cts. $\frac{1}{4}$ lb.; lb. \$2.00.



Southport White Globe Onion

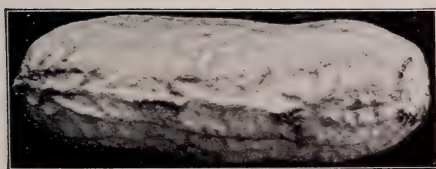
Peanuts

Culture—Peanuts require rich, sandy soil. Plant, with the hulls on, in rows about 3 feet apart, and about 10 inches apart in the rows. When ripe dig up the vines and hang up to dry.

IMPROVED LARGE VIRGINIA (Jumbo). Easily cultivated as it is very erect. It has the largest pods and more kernels with fewer imperfect pods than any other variety. Vines make valuable forage for stock. Pkt. 10 cts.; 15 cts. $\frac{1}{4}$ lb.; lb. 45 cts.; 75 cts. 3 lbs.; 5 lbs. \$1.15; \$2.00 10 lbs.

SWEET SPANISH. The earliest variety grown. Pods are small, remarkably solid, well filled, and of an extra-fine quality. Pkt. 10c; 15c $\frac{1}{4}$ lb.; lb. 45c; 75c 3 lbs.; 5 lbs. \$1.15; \$2.00 10 lbs.

See our line of Garden Accessories on pages 76 and 77



Improved Large Virginia Peanut

Erbsen

Garden Peas

Chicaros o Guisantes

Peas quoted herein will be shipped to any point in the United States by prepaid mail, express, or freight (our option). We pay all transportation and packing charges. See page 1.

Culture.—Peas thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires enriching, use well-rotted manure, and for the dwarf varieties you can hardly make the soil too rich. When grown as a market crop, Peas are seldom staked or bushed, but are sown in single rows 3 to 4 inches deep, the depth depending on the time of sowing, nature of the soil, as well as the variety. Wrinkled varieties are not so hardy as the smooth sorts, and if planted early should have dry, warm soil, and covered only about 1 inch, or they are liable to rot in the ground. These wrinkled varieties are, however, the sweetest and best flavored. Rows for planting should be from $2\frac{1}{2}$ to $3\frac{1}{2}$ feet apart, according to the kind, soil, and manner of culture desired. When grown in the kitchen-garden it is best to sow the seed in double rows, 6 to 8 inches apart, the tall sorts doing better on trellis or brush.

Two pounds sow 100 feet of row; 75 lbs. sow an acre

Early Dwarf Varieties

Little Marvel. This Pea has been rightly named. It is an early wrinkled sort, grows about 12 to 15 inches tall, and bears heavily.

There is no earlier wrinkled Pea and the quality satisfies everybody. Adapted to home-gardens. Pods dark green, 3 inches long, round with square end, and often contain seven rich, dark green Peas. Little Marvel outsells Premium Gem, American Wonder, and Nott's Excelsior. Looks like it's the best in its class. Pkt. 10c; 20c $\frac{1}{2}$ lb.; lb. 30c; \$1, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

PREMIUM GEM. Pods are 3 inches long, light green, round, with blunt end having an average of six light green Peas of good quality. Vines 18 inches. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 95 cts. 5 lbs.; 10 lbs. \$1.80; \$4.25, 25 lbs.

AMERICAN WONDER. Esteemed for earliness, productiveness, and quality. It grows about 10 inches high, and produces pods about $2\frac{1}{2}$ inches long, which are filled with fine-flavored Peas. Pkt. 10 c.; 20c $\frac{1}{2}$ lb.; lb. 30c; \$1.00, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Nott's Excelsior. Extra-early, dwarf, wrinkled Pea. Foliage medium green and rather heavy. 12 to 15 inches high. Pods 3 inches long, filled with large sweet Peas, and all are ready to pick at once. A great yielder. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 90 cts. 5 lbs.; 10 lbs. \$1.70; \$4.00, 25 lbs.

PETER PAN. Produces about 4 inch dark green pods filled with Peas of fine quality. Has vigorous, large, dark foliage and stands about 15 to 18 inches in height. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; \$1.00, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Pioneer. Vines vigorous, growing 15 to 18 inches high, with dark green pods $3\frac{3}{4}$ inches long which are filled with light green Peas of delicious flavor. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; \$1, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Laxtonian. This is a $3\frac{3}{4}$ to 4 inch giant-podded, early dwarf Pea having large, dark green pods and Peas, of finest quality. Vines 22 inches high. Is taking the place of Peter Pan and Pioneer. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; \$1.05, 5 lbs.; 10 lbs. \$2; \$4.75, 25 lbs.

Blue Bantam. Claimed to be an improvement on the above large-podded dwarf Peas. Grows 15 inches high with fine, dark foliage, pods, and Peas. Pods 4 inches long with eight Peas of fine quality. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; \$1.05, 5 lbs.; 10 lbs. \$2; \$4.75, 25 lbs.

Laxton's Progress. Another large-podded variety, about four days earlier than any of them. Grows about 18 inches high. Pods 4 inches long, deep green in color, pointed and containing eight large dark green Peas of delicious, sweet flavor. This variety may displace those above of earlier introduction. Try it. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; \$1.10, 5 lbs.; 10 lbs. \$2.10; \$5, 25 lbs.

Early Varieties (Not Dwarf)

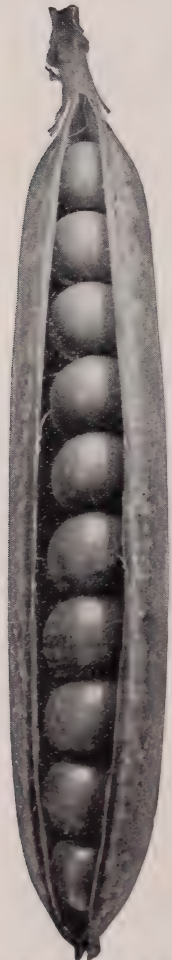
Livingston's First-in-Market. The earliest of the semi-wrinkled varieties. Vines grow 24 to 30 inches long. It ripens uniformly, so that almost every pod may be gathered at one picking. The pods are handsome, straight, 3 inches long and full of medium-sized round Peas of superior quality. It is immensely productive. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 90 cts. 5 lbs.; 10 lbs. \$1.70; \$4, 25 lbs.

Livingston's Prolific Early Market. Comes into bearing about a week later than First-in-Market, and excels in length of pod, number of Peas in a pod, and number of pods to the vine. One of the sweetest and finest flavored of the early smooth varieties. Vines about 30 inches in height. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ lb.; lb. 30 cts.; 90 cts. 5 lbs.; 10 lbs. \$1.70; \$4, 25 lbs.

EXTRA-EARLY ALASKA. Pkt. 10c; 20c $\frac{1}{2}$ lb.; lb. 30c; 90c 5 lbs.; 10 lbs. \$1.70; \$4, 25 lbs.



Little Marvel

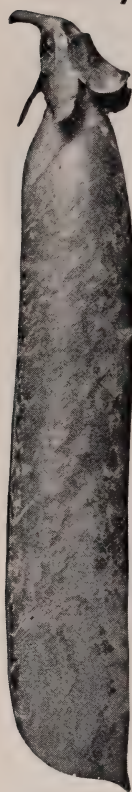


Laxton's Progress

ASK FOR PRICES OF PEAS IN LARGER QUANTITIES

Garden Peas--Cont.

Early Varieties--Not Dwarf--Cont.



Thomas Laxton

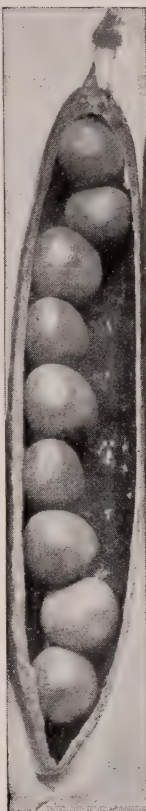
Gradus. or **PROSPERITY.** This extra-fine variety combines earliness with large size. In earliness, the Gradus follows closely after the first earliest. In height, it grows about 3 feet. The pods are long, straight and handsome. Peas of superb quality. It produces pods measuring 4 to 4½ inches in length, well filled with large, handsome Peas. Pkt. 10 cts.; 20 cts. ½lb.; lb. 30 cts.; \$1, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

MARKET SURPRISE. A Large-podded First-in-Market. The pod is large, measuring about 3¾ inches in length and ¾ inch in width and the picking season a little longer than that of First-in-Market. As a sort to follow Extra-Early Alaska, it will prove a dandy good one. Pkt. 10 cts.; 20 cts. ½lb.; lb. 30 cts.; 90 cts. 5 lbs.; 10 lbs. \$1.70; \$4, 25 lbs.

Acquisition. The finest of the blue-seeded smooth Peas. It is of especial interest to the market-gardener, as it comes into bearing very early, has an attractive deep green pod about 4 inches long, and sells easily on sight. Ready for market the same time as Gradus. Pkt. 10c; 20c ½lb.; lb. 30c; \$1.05, 5 lbs.; 10 lbs. \$2; \$4.75, 25 lbs.

Thomas Laxton. The vine grows about 3 feet high. Pods large, 4 inches long, with square ends, uniformly well filled. (See illustration.) Yields more shelled Peas than Gradus. The green Peas are very large, fine colored and unsurpassed in quality. Pkt. 10 cts.; 20 cts. ½lb.; lb. 30 cts.; \$1, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Please remember we pay transportation on Peas



Gradus

MAMMOTH MELTING SUGAR. Differs from other varieties in that the pods are cooked the same as beans. Pods are very large, fleshy, and of fine quality. Vines are about 3 to 4 feet in height. Pkt. 10 cts.; 25 cts. ½lb.; lb. 40 cts.; \$1.25, 5 lbs.; 10 lbs. \$2.40; \$5.25, 25 lbs.

Main Crop Dwarf Varieties

IMPROVED STRATAGEM. Strong, vigorous vines having large pods, 5 inches in length, containing eight to ten large, richly flavored, wrinkled Peas. Pkt. 10 cts.; 20 cts. ½lb.; lb. 30 cts.; \$1, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Potlatch. A late variety of great value, growing 24 inches high, with very large pods, measuring up to 6 inches in length. Vines and pods are a rich, dark green, and pods contain eight or nine immense Peas. The plant is a vigorous grower and the pods are borne in pairs. It is a great producer and the quantity of Peas which shell out is surprising. Considered an improvement on Stratagem. Pkt. 10 cts.; 20 cts. ½lb.; lb. 30 cts.; \$1, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Livingston's Home Collection of the Best Three Peas for the Private Garden

The varieties contained in this collection are all superior sorts—sweet, tender, and delicious. It contains early, medium, and late sorts, and will supply the table with a succession of luscious Peas for a long period.

NOTT'S EXCELSIOR. One of the very best extra early sorts.

THOMAS LAXTON. Produces most uniformly large pods; medium early.

TELEPHONE. A fine, large-podded, late sort. ½lb. each of Best 3 Peas, 50 cts.; 1 lb. each, 75 cts., postpaid.

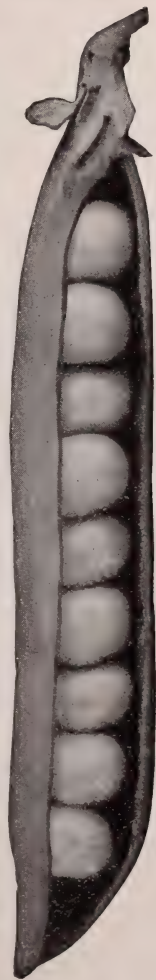
Main Crop Varieties--Not Dwarf

Alderman. (Dark - podded Telephone). A

late wrinkled variety growing about 4 feet high and bearing freely large pods of Peas of a dark green color, and on this account considered by many superior to Telephone. Quality extra fine. Pkt. 10c; 20c ½lb.; lb. 30c; \$1, 5 lbs. 10 lbs. \$1.90; \$4.50, 25 lbs.

TELEPHONE. Vine large, with coarse leaves; height about 4 feet. The large light green pods are filled with large Peas, tender, sweet, and of fine quality. Pkt. 10c; 20c ½lb.; lb. 30c; \$1, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.

Yankee Prince. A fine type of the large, medium green, large-podded sort. Height of vine 4 feet. Pods 4 to 5 inches long and contain eight or nine Peas of fine quality. Pkt. 10c; 20c ½lb.; lb. 30c; \$1, 5 lbs.; 10 lbs. \$1.90; \$4.50, 25 lbs.



Alderman

INOCULATE
THIS SEED WITH
NOD-O-GEN

**NOD-O-GEN
INOCULATOR
FOR PEAS**

You can have better Peas this season by using this culture. Nod-o-gen Inoculator insures a catch, hastens maturity, increases the crop, and enriches the soil. Peas need nitrogen. Nod-o-gen Inoculator will supply it. Easily applied. See page 75 for more details.

Pepper

Livingston's Peppers

Pimento

Culture.—Peppers should be started in a hotbed or coldframe and transplanted about the end of May into a sunny corner of the garden, in rows about 2 feet apart, with the plants about the same distance between them in the rows. They can also be sown in open ground in a prepared seed-bed when all danger from frost has passed and the weather has become settled and the soil warm. When the little plants are about 3 inches in height, transplant as above into the rows where they are to remain. Some very rich fertilizer, stirred into the soil when the plants are about 6 inches high, will be found very beneficial in the crop.

One ounce of seed will produce about 1,500 plants

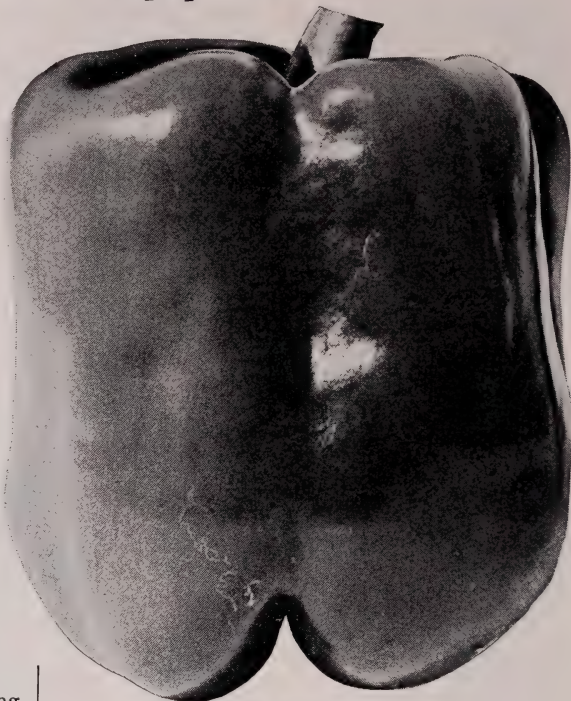
Livingston's Extra-Early Red Prolific.

This variety is very early, bright red, and exceedingly prolific. A very sure cropper on all kinds of soil. The fruits average 3 inches in length by $2\frac{1}{2}$ inches in diameter. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.

Livingston's Prolific Yellow.

Very early, very productive, very mild. Introduced by us in 1914. Quite similar to our Extra-Early Red Prolific except in color. Immensely productive of bright yellow fruits of the most convenient size for stuffing. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1 $\frac{1}{4}$ lb.; lb. \$3.50.

Oshkosh. A very intense glossy green when growing, and many are used and sold at this time. Bright canary yellow when ripe. Large, smooth, only slightly ribbed, heart-shaped fruits. Very prolific. Pkt. 15c; 25c $\frac{1}{2}$ oz.; oz. 45c; \$1.40 $\frac{1}{4}$ lb.; lb. \$5.



California Wonder Pepper

California Wonder

A very striking new sort of large size and having wonderfully thick flesh—often $\frac{1}{4}$ to $\frac{3}{8}$ inch thick—which is deliciously crisp, tender, and sweet, like the finest pimentos. In color it is a brilliant dark green, changing to crimson when ripe, and is of uniform shape and smoothness. (See illustration above.) Pkt. 15 cts.; 35 cts. $\frac{1}{2}$ oz.; oz. 55 cts.; \$1.90 $\frac{1}{4}$ lb.; lb. \$6.50.

Harris Early Giant.

Earliest of all large-fruited sorts. A large, sweet Pepper, producing good crops, even in the Northern States. The plants are of vigorous growth and covered with enormous Peppers about 4 inches long and 3 inches through. The Peppers are deep green, turning to brilliant red, with thick flesh, of sweet, pleasant flavor. Fruits begin setting when the plants are quite small. Very valuable for the home garden. Pkt. 15 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.15 $\frac{1}{4}$ lb.; lb. \$4.

Livingston's Ohio Crimson.

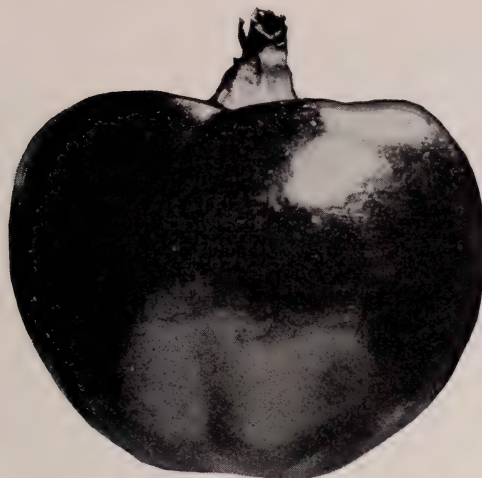
The sweetest and biggest Mango Pepper. Introduced by us in 1906. Robust, stocky, and a sure cropper. The fruit is extra large and heavy, owing to thick flesh. It is very mild. Splendid for making mangoes. Pkt. 15 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.40 $\frac{1}{4}$ lb.; lb. \$5.

Mammoth Ruby King.

Its splendid size and handsome appearance make this Pepper sell most readily. The plants are vigorous, very bushy, growing about 2 feet in height, well branched, thickly set with large fruits, some 5 to 6 inches long by about 3 inches thick. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 90 cts. $\frac{1}{4}$ lb.; lb. \$3.25.



Mammoth Ruby King Pepper



Sunnybrook Pepper

MIXED MANGOES. A choice mixture containing a large number of the best sweet varieties suitable for stuffing and mangoes. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.

TOMATO-SHAPED. This thick-meated Pepper has a very mild-flavored brilliant red flesh. Comes early and is productive. Smaller than Sunnybrook. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 90 cts. $\frac{1}{4}$ lb.

Hot Varieties

Livingston's Improved Thick Long Red. Introduced by us in 1889. A great improvement on the ordinary

Long Red Cayenne, with handsome bright red pods of about the same length, but much thicker. (See illustration which shows normal size.) The flesh is thick and very hot. Exceedingly prolific. Produced early in the season while prices are high. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 90 cts. $\frac{1}{4}$ lb.; lb. \$3.25.

"RED HOT" MIXTURE. Includes a number of small, ornamental sorts which are as "hot as fire." Pkt. 10 cts.

SMALL CAYENNE (Red Chili). The pods are $1\frac{1}{2}$ inches long; very hot. Used for making pepper sauce. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 90 cts. $\frac{1}{4}$ lb.

LONG RED CAYENNE. Three to 4 inches long, quite narrow and hot. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 90 cts. $\frac{1}{4}$ lb.

Parsnips

Parsnips

Chiriva

Culture.—Parsnips are quite hardy, hence you can sow the seed as early in the spring as the soil and weather will permit. Plant in drills 15 inches apart and $\frac{1}{2}$ inch deep, in rich, well-manured ground, well dug. Keep crust from forming over the seeds or they won't be able to get through. Cultivate often and keep free from weeds, especially while small, and thin to 4 inches apart in the rows. If you prefer them short and thick, don't break up the ground more than about 6 inches deep. The roots improve by being left in the ground until spring. Secure enough in pits or the cellar for winter use.

One ounce of seed to 200 feet of drill; 5 to 6 pounds for an acre

Hollow Crown. (Large Sugar). An excellent variety for the table. Probably grown more universally than any other. The roots are white, smooth, sugary, and of excellent flavor, easily harvested, 12 to 15 inches in length, and often 3 inches in diameter at the top, with a hollow crown about the stem. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 90 cts. lb.

Rhubarb

Rhubarb or Pie-Plant

Ruibarbo

Culture.—Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the spring, in rows 1 foot apart. The second year after planting, plants can be removed in autumn to the permanent place in the garden allotted to them. Plant the roots 2 feet apart each way.

One ounce of seed will produce 500 plants

VICTORIA. In general use for market and home-garden. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Peppers---Continued

Chinese Giant. It is of mammoth size, splendid shape, 4 to 5 inches broad and of equal length, beautiful, rich, glossy, bright red flesh, and mild flavor. Its strong, bushy plants are productive of large fruits. Pkt. 15 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.50 $\frac{1}{4}$ lb.; lb. \$5.50.

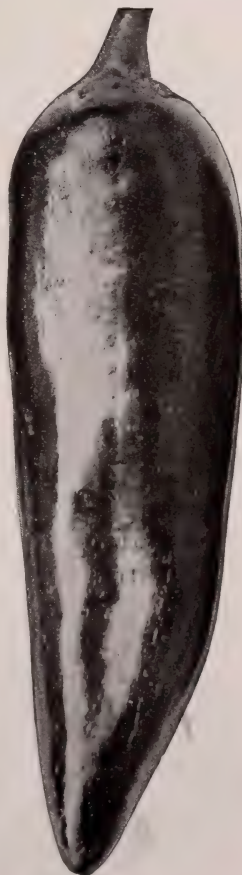
RUBY GIANT. A variety somewhat similar to Ruby King, but the fruits are larger and a little broader at the blossom end. The flesh is very thick, firm, and mild. Pkt. 10 cts.; 20 cts.; $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.

LARGE BELL or BULLNOSE. This Pepper is a good early variety and of mild flavor. It is of medium size with skin fairly thick and fleshy. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 85 cts. $\frac{1}{4}$ lb.; lb. \$3.00.

World Beater. The shape is like Ruby King and the size almost equal to Chinese Giant but not so broad. A vigorous grower, sure cropper, and very prolific. The fruit is a beautiful scarlet, exceedingly mild; flesh thick and firm, making this variety an excellent shipper. Rapidly growing in favor, especially in the South. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.

Sunnybrook. The Sunnybrook is larger and an improvement on the older type of the tomato-shaped Pimiento. It comes into bearing early, is very productive, has very thick, sweet flesh, and is brilliantly red. The best of this type. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; 90 cts. $\frac{1}{4}$ lb.; lb. \$3.25.

Sweet Salad, or Perfection. A good sort for the home-garden, both green and ripe. Smooth and uniform, heart-shaped, beautiful scarlet when ripe. Sweet and delicious. Very productive. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.



Improved Thick Long Red Pepper

Pterisfilie

Parsley

Perejil



Champion
Moss
Curled
Parsley

Culture—As the seeds germinate very slowly, three to four weeks sometimes elapse before the plants make their appearance. Seed should be sown early in the spring. Parsley is used for seasoning soups and stews, for salads, and is also very universally used for garnishing. It makes an ornamental border in the flower-garden. Succeeds best in a rich, mellow soil. Take up a few plants in the fall and put into 6 or 7-inch pots. Keep well watered and they will produce an abundance of leaves all winter, besides making very ornamental plants.

One ounce of seed will sow about 150 ft. of drill

Champion Moss Curled. A vigorous, compact sort, very fine for garnishing and flavoring. Owing to its uniformly deep green color and attractive foliage, it is one of the best for either market or home use. Densely crimped and curled. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

FINE DOUBLE CURLED. A standard dwarf variety having deeply cut and curled leaves. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

Hamburg (ROOTED). The fleshy roots of this variety resemble parsnips, and are used in soups and stews. The flesh is white and sometimes similar to celeriac (root celery). The roots may be dug and carried through the winter like turnips, etc. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Livingston's Exquisite. The Finest Strain of Curled Parsley. Very ornamental leaf when used for garnishing. Has very elegant and closely curled leaves of beautiful dark green, while the flavor is all that could be desired. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

Speiße-Kürbis

Pumpkin

Calabazas

Culture—Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner. Sow in the month of May, when you plant your corn. Make hills the same as you do for squashes, but about 8 to 10 feet apart each way. It is preferable to grow Pumpkins in the field, and not in the garden, as they mix with the squashes and other vines. You can sow some among the late corn, putting in a few seeds, say every third or fourth hill. This will give you plenty for the table, and your stock the coming winter.

One ounce of seed will plant 15 hills; 3 to 4 pounds will plant an acre

Common Yellow Field (Yankee Cow; Conn. Field). The common variety cultivated by farmers for stock-feeding, and is used to some extent for canning. Very productive. Same color as Small Sugar but not so sweet. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

WINTER LUXURY. Excellent for pies. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.



Small Sweet or Sugar Pumpkin

Small Sweet (Sugar). This is the small, sweet Pumpkin that has made the New England States famous for their Pumpkin pies. The flesh is very fine grained, most deliciously sweet-flavored, and a splendid keeper. It averages about 10 inches in diameter and is of deep orange-yellow color. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

MAMMOTH POTIRON. A really enormous variety (specimens often grow 2 feet in diameter and sometimes weigh 150 lbs.); with depressed ends and slightly ribbed salmon-color skin; flesh bright yellow. Great exhibition sort. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

Large Sweet (Kentucky Field). A large, round, flattened Pumpkin that is hardy and productive. It grows 1 to 2 feet in diameter and has thick orange flesh of extra-fine quality. A splendid sort for canning, family, and market use. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 50 cts. lb.



Note the Shape of Large Sweet Pumpkin

Radishes

Livingston's Radishes

Rabanitos



Early Scarlet Globe Radishes

Early Scarlet Globe. Most popular of all globe-shaped early Radishes.

This splendid globe Radish is the very finest early strain of the round, bright red Radishes. Flesh pure white, crisp, tender, and of delicious quality. Fine for market gardeners as a first-early forcing Radish. Pkt. 10 cts.; 25 cts. $\frac{1}{4}$ lb.; lb. 90 cts.; \$4, 5 lbs.

EARLY SCARLET TURNIP. Quite early, small, round Radish with rich dark scarlet skin. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Rosy Gem. One of the earliest. It is perfectly globular, rich brilliant scarlet at top, blending into pure white at bottom, tender and crisp. The greenhouse strain of Cooper's Sparkler. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Cooper's Sparkler. (SCARLET TURNIP WHITE-TIP). A splendid, crisp variety of the Scarlet Turnip White-tipped type, but showing more white, while the upper half is a bright scarlet. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

Livingston's Selwel. An increasing demand on some markets for a Radish with a larger portion of white than in Cooper's Sparkler has prompted us to offer Selwel. The upper half of the bulb is a pleasing scarlet while the lower portion is pure white. It is almost round, is one of the first ready for use, and on account of its very attractive appearance should at once become popular. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

Crimson Giant. Larger than other early varieties, but does not become pithy, even when fully twice as large in diameter and a week older. Has replaced Early Scarlet Turnip. Crimson-carmine; turnip-shaped; crisp and tender. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

Long Varieties on next page

Culture.—All varieties thrive best in light, sandy loam. For early use, sow in the hotbed in February, giving plenty of ventilation, or outside in the garden, in drills, as soon as the soil is warm and dry, covering the seed about $\frac{1}{2}$ inch deep. Sow every two weeks from March until September for a succession of crisp Radishes for table use. Radishes must grow rapidly to be crisp, mild-flavored, and tender. We offer a very fine assortment.

One ounce of seed will sow 100 feet of drill; 8 to 10 pounds will plant an acre

Round and Oval Varieties

Saxa. This variety is of a beautiful scarlet color, round as a marble, crisp and juicy. Very small top and tap-root. It comes so quick that it has been placed on the dining-table in three weeks from the time of sowing seed. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

Fireball. (NON PLUS ULTRA). A pretty little round Radish, deep, rich scarlet in color, with very small tops and crisp, tender, white flesh. A little earlier than Scarlet Globe, but not quite so large. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

EARLY SNOWBALL. One of the quickest growing Radishes besides being one of the prettiest round varieties in the whole list; white as snow, smooth, crisp, and extremely tender. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

MODEL WHITE BOX. A short-topped Radish of rapid growth, perfect turnip shape, and extra-fine quality. Suitable for growing under glass. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

GOLDEN GLOBE. Most perfect globe-shaped; golden colored skin; white flesh, tender, brittle; withstands heat. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1.00 lb.

LARGE WHITE SUMMER TURNIP. A round, smooth, very white, large Radish that is crisp, tender, and long standing. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Try a "Garden Package" of our Gator Hide Mulch Paper, listed on page 75



Crimson Giant Radish

Livingston's Long Radishes



Cincinnati Market

Cincinnati Market. This superb Radish originated in southern Ohio. We introduced it to our trade in the spring of 1895. It has become so deservedly popular that we have had to grow it in large quantities to supply the demand. It is an improvement of Long Scarlet Short-Top. The tops are so small that the Radishes may stand very close in the rows. It grows straight and smooth, 6 to 7 inches in length. The skin is a beautiful scarlet, very thin; flesh crisp, brittle, and of delightful flavor. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.; 5 lbs. \$3.25.

EARLY LONG SCARLET SHORT-TOP. An outdoor, quick-growing long variety both for private and market-gardens. The average length is 6 inches, straight, uniform; tops small; bright scarlet in color; crisp. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

IMPROVED CHARTIER. A clear rose-colored, long Radish, shading into pure waxy white at the tips; attains large size; grows fast. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Lady Finger. or **LONG WHITE VIENNA.** Beautiful shape, with skin and flesh pure white, very crisp and tender. Rapid grower and long standing. Later than Long White Icicle. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

GIANT WHITE STUTTGART. A large, top-shaped sort with flesh and skin white, of fine quality, firm and brittle. Can be stored for winter the same as turnips. Pkt. 5 cts.; 10c oz.; $\frac{1}{4}$ lb. 30c; lb. \$1.

WHITE DELICIOUS. The roots are of distinct half-long form, tapering to a point. They grow to good size, are of handsome appearance, and the pure white flesh is crisp, solid, and of mild flavor. A good summer variety. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; lb. 80c.

Livingston's Pearl.

A beautiful, pearly white, half stump-rooted variety of exceptional merit. It is very crisp and after having reached its best condition, it remains in good shape for two weeks or more before becoming woody or showing signs of going to seed. We can heartily recommend this variety. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1.00 lb.; 5 lbs. \$4.50.

Long White Icicle.

Very similar to Livingston's Pearl. It grows 4 to 5 inches long, is slightly stump-rooted, and of transparent whiteness. Short leaves. Matures quickly. Most excellent flavor. A long-standing sort. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25c; 85c lb.; 5 lbs. \$3.75.

Ralph B. Earp, Butler Co., Kansas, writes: "I have never raised such magnificent radishes as we are now enjoying from your seed. Good luck to your worthy company."

Livingston's All-Season Mixture

ONE SOWING--RADISHES ALL SEASON

Livingston's All-Season Mixture of Radish Seed contains all shades and shapes—red, white, pink, variegated; round, half-long and long—in great variety. Just fine for small gardens, where space is limited, and where you want to make a garden and be done with it. One sowing does for the whole season. Large pkt. 10c; 15c oz.; $\frac{1}{4}$ lb. 30c.



White Strasburg

FRENCH BREAK-FAST. Of quick growth, very mild and tender, of oval form, scarlet tipped with white. Early sort for the home-garden. Pkt. 5 cts.; 10 cts oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

WHITE STRASBURG.

A handsome, oblong tapered Radish with pure white skin and flesh, firm, brittle, tender and crisp. Excellent for summer use. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 25c; 85c lb.



Livingston's Pearl

Four Best Winter Radishes

White Chinese Winter. or NEW CELES-

TIAL. Large Radish with white skin and flesh. Can be sown from July 1 to August 15, and will keep in prime condition a long time; mild in flavor; brittle and never woody. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

CHINESE ROSE WINTER. A very handsome and distinct bright rose variety, crisp and tender; cylindrical in shape, very smooth. Keeps through autumn and winter. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

LONG BLACK SPANISH WINTER.

Grows 5 to 8 inches long and is 1 to $\frac{1}{4}$ inches through at top. Skin black; flesh white and firm. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

ROUND BLACK SPANISH WINTER.

Similar to Long Black Spanish, except in shape. Fine for winter. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 85 cts. lb.

Spinat

Livingston's Select Spinach *Espinaca*

Culture.—Spinach will succeed in any ordinary soil, and its cultivation is a very simple matter. It is grown both as a spring and summer crop. To winter over for spring use, sow the seed in August or September, in drills 12 to 14 inches apart. At approach of cold weather, cover lightly with straw or any handy litter. For summer use, sow in spring; thin to 3 to 4 inches.

One ounce of seed will sow 50 feet of drill;
12 to 15 pounds will plant an acre

King of Denmark. *The New Evergreen Spinach.*

It is fit for use in thirty days from time of sowing, and remains in good condition fully two weeks after other varieties have started seed-stalks. It has a beautiful crumpled, dark green, thick leaf of fine quality. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 40 cts. lb.

Nobel. (Big Crop). This is, no doubt, the best of the so-called "smooth-leaved" sorts. It produces a large mass of rather smooth, very thick, rounded leaves of enormous size, and although it is a very quick grower, it stands very long before bolting. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 40 cts. lb.

VICTORIA. An excellent sort, whether grown for home use or market. It may be sown either in the spring or during late summer and fall. The plants are fit for use quite early. The leaves are very thick and have a mild flavor. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 40 cts. lb.

New Zealand. A distinct type. The plants grow in branching form, with thick, succulent leaves. The leaves and stems can be gathered at any time after they are well grown and the plants will start out into new growth. Thrives during hot weather and in any soil. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.

PRICKLY-SEEDED WINTER. Triangular, oblong, or arrow-shaped leaves. Seed prickly. Hardest of all, therefore best for fall sowing where winters are severe. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 15c; 35c lb.

VIRGINIA BLIGHT-RESISTANT SAVOY. Fine for fall planting, about August 15, but tends to go to seed when grown as spring crop. Type, same as Bloomsdale but darker. Valuable where blight is prevalent. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 15c; 40c lb.



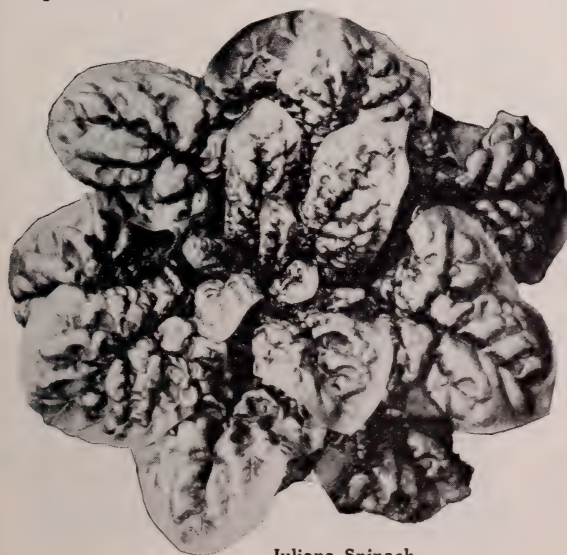
Bloomsdale Savoy Long-Standing Spinach

BLOOMSDALE SAVOY LONG-STANDING. A new strain of merit. It is just as early as the old-type Bloomsdale, but stands in marketable condition ten to fourteen days longer. Intensely crumpled, blistered, uniform, deep glossy green leaves. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 40 cts. lb.

Bloomsdale Savoy Reselected. A new strain of Savoy which has been selected so as to eliminate the male plants and thereby prevent running to seed so early in the season. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 15c; 40c lb.

IMPROVED THICK LEAF (Viroflay). Good for fall or spring sowing. Has heavy, broad, dark green, curled leaves of fine quality. Inclined to shoot to seed early. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 15c; 35c lb.

Juliana. Best second-early variety. Same type as Victoria, but very slow to run to seed. Dark green crumpled leaves, rounded and thick, and short leaf-stems. Rapidly growing in popularity. Our seed is from the originator. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 40 cts. lb.



Juliana Spinach

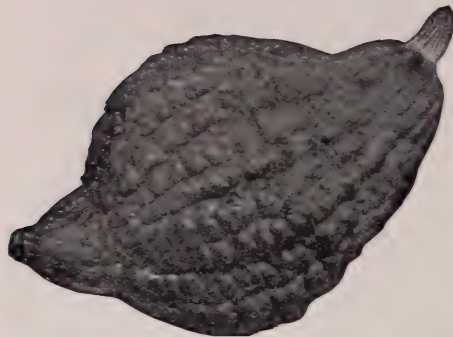
Swiss Chard or Spinach Beet

A peculiar variety of Beet, of which the leaves only are used as "greens" when young, and are equally delicious when allowed to mature. The broad, white leaf-stalks or midribs can be cooked and served like asparagus. Produces continually from July until fall. Desirable for greens in summer when spinach cannot be grown.

Fordhook Giant. Leaves broad, upright in growth, very dark green, savoyed, with broad white midrib. This variety, on account of its giant size and pleasing deep green color, will probably supersede other sorts. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25, lb.

Lucullus. An improved variety yielding an enormous crop of delicious "greens." The plants grow 2 feet tall and consist, when fully developed, of about a dozen creamy white, beautifully curled leaves. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1, lb.

Livingston's Squash *Sidracayote*



Chicago Warty Hubbard Squash

Chicago Warty Hubbard. Large size; dark green color, distinguished by a dense covering of knots indicating splendid quality; thick yellow flesh. Long keeper. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.40 lb.

Blue Hubbard. Large variety having a hard blue-gray shell. Long-keeping sort; good quality. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

GOLDEN or RED HUBBARD. Skin bright, rich orange-red, showy and attractive; shell hard and warty; flesh deep golden yellow, fine-grained, of splendid flavor, cooks dry. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.10 lb.

HUBBARD. Color bluish green. Flesh rich orange-yellow, fine-grained, sweet, of excellent flavor. Has a very hard shell and will keep until spring. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Livingston's Improved Cushaw. Mottled green and white striped. Flesh yellow, solid, fine-grained, very sweet, and excellent for pies or baking. Crookneck in shape and the neck is all solid flesh. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

FORDHOOK. Fruits of convenient small size for family use with thick, dry, sweet flesh, thin skin, and small seed cavity. Maturing early, it is a sure cropper and immensely productive. May be used as a summer sort or stored for winter. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

BOSTON MARROW. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

GREGORY'S DELICIOUS. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Livingston's Squash Mixture

One sowing will produce Squashes for the season. Large pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 40 cts.

Sunflower

MAMMOTH RUSSIAN. Gigantic growth; 125 bushels to an acre is not uncommon. Highly recommended for poultry and bird seed. Best egg-producing food known. Oz. 10 cts.; 20 cts. $\frac{1}{4}$ lb.; lb. 35 cts.; \$1.25, 5 lbs.; 10 lbs. \$2.

Salsify or Oyster Plant

Culture.—When properly cooked it is a good substitute for oysters and is very nutritious. Sow early, in rows $1\frac{1}{2}$ feet apart, and cover firmly 1 inch deep; thin to 3 inches apart in the rows. The roots are perfectly hardy and will stand winter weather.

One oz. of seed will sow 50 feet of drill; 8 lbs. will plant an acre.

Mammoth Sandwich Island. Splendid variety. Averages nearly twice the size of others. Grows very uniformly; mild and delicious in flavor. Pkt. 10 cts.; 20 cts. oz.; $\frac{1}{4}$ lb. 65 cts.; \$2 lb.

Culture.—Plant after weather has become fully settled and the ground is warm and dry, in hills 5 to 6 feet apart for bush varieties, and 6 to 8 feet apart for running varieties. Hills should be thoroughly manured. Slightly elevate the hills and place seven or eight seeds in each, finally leaving but three plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones $1\frac{1}{2}$ inches. Use 2 to 4 pounds to the acre, depending on the kind.

Early White Bush. (Patty-Pan). The flat patty-pan shaped fruits are 6 to 8 inches in diameter and ready for use very early in the summer. They should be eaten when young and tender. Pkt. 5c; 15c oz.; $\frac{1}{4}$ lb. 35c; \$1.25 lb.

Acorn. (Table Queen). This variety averages about 6 inches long by about 4 inches wide, just the right size to serve one-half to a person. The color is a dark green, except when it becomes over-ripe, when it changes to buff; flesh is orange color and fine-grained. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

COCOZELLE. An Italian summer variety of bush habit. The fruits are oblong, 12 to 16 inches in length and 5 inches in diameter, furrowed with five ribs; color marbled yellow and dark green stripes; quality fine. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

Giant Golden Summer Crookneck. The largest and best of all Summer Crookneck Squashes. It is of dwarf, bushy habit and very productive, bearing early and all summer. The fruits are rich golden yellow, thickly warted. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

GIANT GOLDEN STRAIGHTNECK. Same as above except in shape. Pkt. 10 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 45 cts.; \$1.50 lb.

Livingston's Pie. Rich, sweet flavor. Makes good pies even without eggs. The color of the skin is similar to that of the Golden Russett apple. Flesh yellow and very thick. Quite early. Size, 8 to 10 inches in diameter. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.

MAMMOTH YELLOW BUSH SCALLOP (Golden Custard). The patty-pan type, deep orange in color, 8 to 10 inches in diameter. For early summer use. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

MAMMOTH WHITE BUSH SCALLOP. Excellent large strain, 10 to 12 inches in diameter, and creamy white. Nearly as early as Patty-Pan. Pkt. 5 cts.; 15 cts. oz.; $\frac{1}{4}$ lb. 35 cts.; \$1.25 lb.

ZUCCHINI. A delicious light colored Italian variety. Should be used when about 5 to 6 inches long. Fine quartered lengthwise and prepared and served same as Asparagus. Pkt. 10c; 15c oz.; $\frac{1}{4}$ lb. 45c; \$1.50 lb.



White Bush Scallop Squash

Livingston's Famous Tomatoes

KNOWN ALL OVER THE WORLD

Tomato Culture

For very early fruit, the seed should be sown in a hotbed about the first week in March, in drills 5 inches apart and $\frac{1}{2}$ inch deep. Later sowings may be made until the last of April. (Sufficient plants for a small garden can be started by sowing a few seeds in a shallow box or flower-pot and placing in a sunny window in the house.) When the young plants are 3 to 4 inches high, they should be set 4 to 5 inches apart in another hotbed or coldframe, or transplanted into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden them for planting out. Water freely at the time of transplanting into the open ground and shelter from the sun a few days until the plants are thoroughly established. Cultivate as long as the vines will permit, but the last two or three workings of the soil should be very shallow.

Tomatoes grow splendidly trained to stakes or trellises. The fruit is much improved, not only in appearance, but in quality, and is a week or more earlier. This mode of cultivation is quite common among gardeners who grow for the early market, and at private places throughout the country; especially is this desirable where neatness and at the same time economy of space in the home-garden is desired. The usual method is to set one strong plant to a stake 5 to 7 feet high, tying the plant up with wool or other strong, soft twine, and pruning quite freely as the vine advances in growth. By this method plants may be set much closer than in the ordinary way. Ask for Tomato Booklet giving more detailed instructions. About 2,000 plants will be produced from one ounce of seed.

A Pioneer



Mr. Alexander W. Livingston, founder of what is now The Livingston Seed Company, will always be remembered for his service to mankind in successfully pioneering the modern Tomato.

In 1847, after several unsuccessful efforts had been made, as far back as 1812, to induce people to eat the "Love Apple," Mr. Livingston became interested. Through his determination to develop something worth while, and after some twenty years of hard study, he succeeded in developing a Tomato which had shape, size, and, above all, quality. And, in the year 1870, the first Tomato of real merit, his Paragon, was introduced to the public.

The Livingston Seed Company, now in its 82nd year in the same family, have jealously guarded this supremacy and are today, perhaps, the foremost authorities on Tomatoes. Most of the varieties being offered are grown by us. Many are of our own origination and introduction.

The descriptions given on the following pages are as nearly correct as we can give them, as shown by our trial-ground records.

Red Varieties

Livingston's Ohio Red Tomato

Introduced by us in 1929

An entirely new type of Tomato

This new variety is the reverse in shape of the old flat type which was shallow from stem-to blossom-end, and because of this new departure in shape, is already becoming popular. There is but little indentation at the stem-end, in fact, none at all in many of the fruits. They frequently have a slight point at the blossom-end, are of good average size, of brilliant red color, and one of the most attractive sorts we have ever seen. Not a freak, but has real, practical value, appealing at once both to private and market gardeners. Pkt. 20 cts.; 50 cts. $\frac{1}{2}$ oz.; oz. 90 cts.

Burbank. A very early red sort originated by Luther Burbank. Ripens a larger percentage of fruit about a week sooner than other early sorts. The plant grows to medium size and is quite productive. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 40 cts.; \$1.30 $\frac{1}{4}$ lb.; lb. \$4.50.

Break-O-Day. The new Pritchard hybrid developed from Marglobe and Marvana, having their disease resistant qualities. Resembles Marglobe in shape and size, but not so productive. Has vines of open habit like Marvana. Matures early, being next to Earliana in this respect. Fruits are solid, meaty and have a beautiful scarlet color. Will become quite popular with home-gardeners. Pkt. 20 cts.; 35 cts. $\frac{1}{2}$ oz.; oz. 65 cts.; \$2.25 $\frac{1}{4}$ lb.; lb. \$8.00.



Break-O-Day Tomato

Livingston's Red Tomatoes

Hansing's Improved Wilt-Resistant Marvel

Introduced by us in 1927

A NEW WILT-RESISTING SORT ESPECIALLY SUITABLE FOR GROWING UNDER GLASS

An early, bright red sort of medium size, originated with Mr. Hansing, a prominent Indiana gardener. In shape it is about the same as Bonny Best, slightly more flat, and in quality first class. The fruits are produced in good-sized clusters, about 6 inches apart, on a vigorous-growing vine, with only an average amount of foliage.

It is coming into favor with the critical under-glass growers for early market. Where wilt is prevalent, this Tomato is highly recommended when a red sort is preferred. Pkt. 15 cts.; 35 cts. $\frac{1}{2}$ oz.; oz. 65 cts.; \$2.15 $\frac{1}{4}$ lb.; lb. \$7.50.

Greater Baltimore. A midseason red variety, very heavy, due to its extreme firmness and very thick meat. Fruit ripens evenly; free from ridges and cracks. A great canning sort, earlier than Stone. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.

Livingston's Paragon. *Introduced by us in 1870.* The first perfectly smooth, deep red Tomato offered by us to the American people. We have kept it up to the original high standard. A heavy yielder, ripening medium early. The fruits are of large size. Flesh is solid, of superior quality and bright rich red. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.

Earliana. The plants are compact in growth, with short, close-jointed branches, setting fruits very early. With our strain of Earliana the fruits are bright red, of uniform medium size, fleshy, solid and smooth. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50

Bonny Best. Best red for greenhouses. Is of medium size, bright scarlet, always smooth, and of uniform size and shape. A splendid sort to follow Earliana in the open field. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1, $\frac{1}{4}$ lb.; lb. \$3.50.



Marglobe

Marglobe

THE WILT AND NAILHEAD RUST-RESISTANT TOMATO

Marglobe has been thoroughly tested in sections where the above diseases are very destructive and has made a wonderful record. It was produced by crossing the Livingston Globe with one or more other varieties, and after seven years of careful selection was offered in 1926. A vigorous grower whether in greenhouse or field; bright red in color, quite early, of large size, almost round, and very productive. It is being used in greenhouses and sections of the country where "wilt" prevails. We are receiving large orders for it from many Tomato-growing sections. We grew the seed we are offering from selected planting stock supplied by the originator. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 40 cts.; \$1.30 $\frac{1}{4}$ lb.; lb. \$4.50.

Livingston's Stone

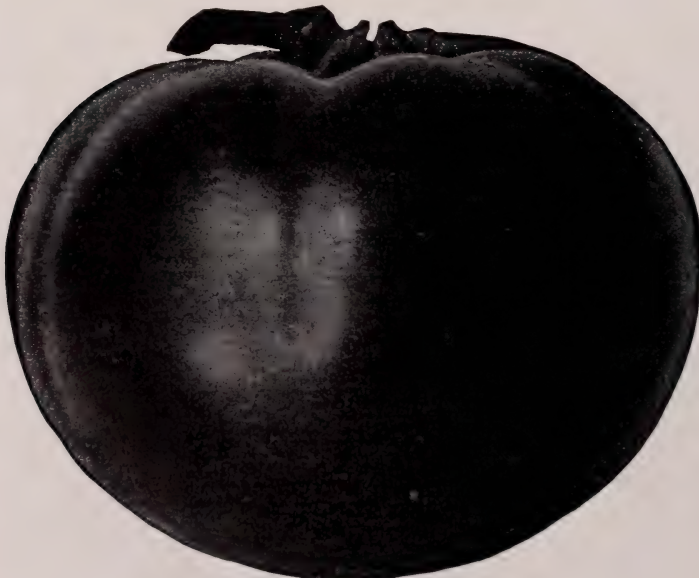
Introduced by us in 1889

The Greatest of All Canning Tomatoes

Livingston's Stone is always of good size, deep through from stem to blossom-end and very firm. Skin is bright scarlet, perfectly smooth, and strong enough to stand shipping and long-distance hauling to perfection. Flesh is very solid and of finest flavor. Seed-cells are small and few. Livingston's Stone is recognized as one of the greatest canning Tomatoes. Order direct from us and get the real thing. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1 $\frac{1}{4}$ lb.; lb. \$3.50.

Norton. Wilt-resistant Stone. Popular on account of its remarkable wilt-resisting qualities. Similar in growth, color, and season to our Livingston's Stone. A valuable sort for the South, or where the wilt is prevalent. Try Norton along with Marglobe. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.15 $\frac{1}{4}$ lb.; lb. \$4.

Canners should ask for special prices



Livingston's Stone Tomato

Red Tomatoes---Continued

Livingston's Coreless

Introduced by us in 1908

In shape it is almost round, being of about the same diameter each way. The depression at the stem end has been almost eliminated. It is immensely productive. A grand, good slicing variety, the seed-cells being surrounded by bright red, heavy, meaty and delicious flesh. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.15 $\frac{1}{4}$ lb.; lb. \$4.

Redhead. An early, deep red variety of good size and shape. It is very meaty and nearly free from cracks. Fruit is very smooth and runs quite uniform in size; very productive. Popular in the West. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1 $\frac{1}{4}$ lb.; lb. \$3.50.

Livingston's Dwarf Stone. *Introduced by us in 1902.* The fruits are

nearly as large as those of our Standard Stone. Fruit bright red, smooth, ripens evenly, medium early. The plants may be set as close as $\frac{1}{2}$ to 2 feet apart, if necessary, and still produce an abundant crop. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 40 cts.; \$1.30 $\frac{1}{4}$ lb.; lb. \$4.50.

Livingston's Ideal (A Red Globe)

Introduced by us in 1930

This new variety may properly be termed "A Red Globe." We have been working to produce a Tomato that would serve well both for under-glass and outside culture, and in Ideal we believe we have attained our purpose. It has a strong, healthy plant and shows no signs of blight. The globe-shaped fruit is of medium size, bright scarlet with firm flesh and about same season as Bonny Best. Fruit clusters set closely on stalk, thus increasing the yield under glass. Pkt. 20 cts.; 40 cts. $\frac{1}{2}$ oz.; oz. 75 cts.; \$2.75 $\frac{1}{4}$ lb.; lb. \$10.

Chalk's Early Jewel. Of large size, a few days later than Bonny Best. Flesh thick, bright scarlet, solid, excellent flavor, ripens evenly. One of the largest cropping varieties. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1 $\frac{1}{4}$ lb.; lb. \$3.50.

John Baer. An extra-early red-fruited sort of merit that comes into bearing at about the same time as Bonny Best. The fruits are large, nearly round, smooth, and of good quality. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.10 $\frac{1}{4}$ lb.; lb. \$3.75.

Livingston's Pink Tomatoes

Livingston's Globe Tomato

Introduced by us in 1905

THE GREATEST SHIPPING TOMATO KNOWN

We feel quite safe in saying that no Tomato ever introduced has been so valuable to the southern growers and shippers as the Livingston's Globe. No variety has produced more valuable crops, almost every season, since we introduced it in 1905. Literally, train-loads of crated Livingston's Globe Tomatoes are shipped out of Florida, Texas, Mississippi, and other Southern States each season. The shape, the size, and its beautiful color help to make it popular in all markets.

As a greenhouse sort, it is not excelled by any other pink variety, and it is one of the best for the home-garden, comes into bearing early, and keeps on bearing almost until frost. The fruits are of large size, always smooth, with firm flesh that ripens evenly; color, a fine glossy rose, tinged with purple. Quality good, being mild, pleasant, and of delicious flavor. Fine for early growing on stakes or trellises. Almost blight-proof. Genuine Livingston-grown seed, always put up under our U. S. registered trade-mark seal. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 40 cts.; \$1.30 $\frac{1}{4}$ lb.; lb. \$4.50.

Livingston's Magnus

Introduced by us in 1900

This distinct variety is large, early, thick, heavy, and solid, and one of the most handsome Tomatoes in cultivation. It is unsurpassed in quality and in the production of fine, large, purple-skinned fruits. The form is quite deep through from stem-to blossom-end. Heavy cropper. Has broad potato-leaf foliage which prevents sunburn. For staking up in the open field, it is a fine sort. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1 $\frac{1}{4}$ lb.; lb. \$3.50.

Livingston's Beauty

Introduced by us in 1886

Although introduced so many years ago, this is still one of the popular purple-colored Tomatoes. The plants make a strong growth, are hardy and bear profusely. The large, perfectly shaped early and firm fruits are produced in clusters of four to six, and retain their size until late in the season. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1 $\frac{1}{4}$ lb.; lb. \$3.50.



Livingston's Globe Tomato

June Pink. A Pink Earliana. Ripens as early as Earliana. A prolific bearer, clusters of six to eight large fruits being borne close to the main stem, a large percentage of the fruit being produced very early. The fruit is of medium size, uniform, smooth, and attractively shaped. Excellent for shipping. In color it is a bright, pleasing pink. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 40 cts.; \$1.30 $\frac{1}{4}$ lb.; lb. \$4.50.

Gulf State Market. A medium-sized, early, purple sort, recently introduced. Ripens the same time as Livingston's Globe, but averages smaller. It is globe-shaped and quite popular in southern sections. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.15 $\frac{1}{4}$ lb.; lb. \$4.

Ask for prices on Tomato Seed in large lots



Livingston's Rosy Morn Tomato. Pkt. 10 cts.

Mr. L. I. Lothrop, Belknap Co., New Hampshire, writes: "The seed I secured from you this year matured satisfactorily and wish to mention particularly that the Oxheart Tomatoes were new in this section and caused much comment as to eating quality and size."

Livingston's Rosy Morn

Introduced by us in 1923

An early, bright rosy pink variety, coming into bearing close up to Earliana. It is smooth, and the very solid, fleshy fruits ripen evenly and are surprisingly free from cracks about the stem. It is a very fine slicing sort, being of mild and delicious flavor. A good strong grower of vigorous foliage. A heavy yielder. Pkt. 10 cts.; 15 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. 25 cts.; 40 cts. oz.; $\frac{1}{4}$ lb. \$1.30; \$4.50 lb.

Cooper's Special. A variety which is being largely used by Florida growers, and is what they term a self-topper. It is a globe-shaped sort, of the same color as Livingston's Globe but smaller. The vines are shorter and fruits are set in clusters of four or five every 5 or 6 inches along the stalk. Pkt. 10c; 25c $\frac{1}{2}$ oz.; oz. 40c; \$1.30 $\frac{1}{4}$ lb.; lb. \$4.50.

Early Detroit. A very productive, early pink sort, of uniform size. Fruit large and smooth, globe-shaped and of excellent quality. Vines vigorous and productive. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.15 $\frac{1}{4}$ lb.; lb. \$4.

Livingston's Improved Dwarf Champion.

Medium-sized fruit produced in clusters of three to five. Beautiful glossy purple, firm, solid. Pkt. 10 cts.; 25c $\frac{1}{2}$ oz.; oz. 40c; \$1.30 $\frac{1}{4}$ lb.; lb. \$4.50.

Livingston's Acme. Introduced by us in 1875. The first perfectly smooth, medium-sized purple or pink Tomato introduced. It is a uniform, early, prolific sort, free from cracks. Quality fine. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 30 cts.; \$1.00 $\frac{1}{4}$ lb.; lb. \$3.50.

Livingston's Big Tomatoes

Beat Your Neighbor with Livingston's Giant Oxheart

The big tomato everybody is talking about
Introduced by us in 1926

Oxheart is truly the giant of all tomatoes. Its attractive shape, large size and excellent table qualities has quickly brought it into deserved popularity among back yard gardeners. Market-growers are finding it in great demand. There is now great rivalry in gardening neighborhoods to see who can grow the finest Oxheart in shape and size. Three pound specimens are quite common. One customer sent us a five pound specimen.

The Oxheart is smooth, thick, tender and almost seedless; frequently showing 2 inches thick without a seed cavity. The color is pink and it has that delicious mild flavor that every lover of this fruit likes so well.

We regret that so many customers were disappointed last year. We increased our acreage this year and while the crop was short we feel that we shall be able to supply the demand.

Selected seed, grown by us. Pkt. 20 cts.; 40 cts. $\frac{1}{2}$ oz.; oz. 75 cts.

Colossal. This strain of Ponderosa exceeds it in average size and smoothness. A slice of this enormous-fruited sort looks like a piece of beefsteak. The fruit has purple or pink skin and many are quite smooth. Pkt. 15 cts.; 30 cts. $\frac{1}{2}$ oz.; oz. 50 cts.; \$1.75 $\frac{1}{4}$ lb.

Crimson Cushion (Beefsteak). An extremely large, bright red variety of the Ponderosa type, that ripens evenly and is of good quality. A good companion to the Colossal. Pkt. 15 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.50 $\frac{1}{4}$ lb.



Livingston's Oxheart Tomato

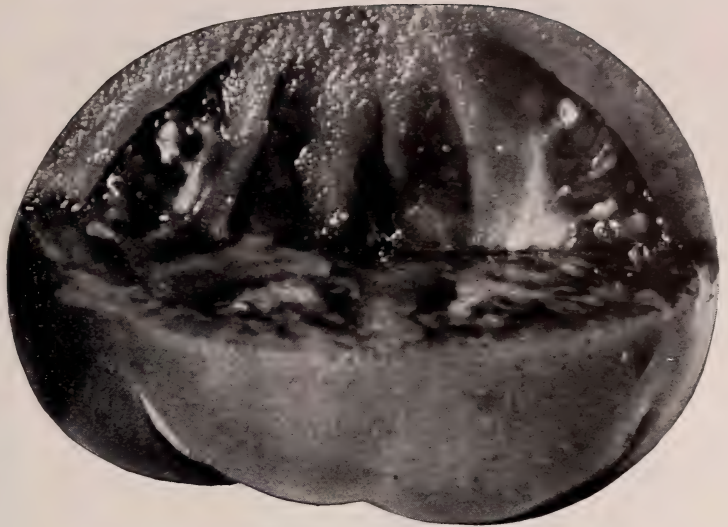
Ponderosa

The fruits ripen quite early, are very solid, almost seedless, of good subacid flavor and of immense size, frequently weighing more than two pounds. It is now producing a much smoother fruit than when first introduced. Splendid slicer. Bears well until very late. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 45 cts.; \$1.50, $\frac{1}{4}$ lb.; lb. \$5.50.

Livingston's Buckeye State

Introduced by us in 1893

Its extra large fruits are borne in clusters of three to six, and have a smooth skin of purple color. The fruit is very meaty, solid, and the flesh is of most desirable quality. In this variety we have been successful in eliminating the roughness so common to large-fruited sorts. Pkt. 10 cts.; 20 cts. $\frac{1}{2}$ oz.; oz. 35 cts.; \$1.15 $\frac{1}{4}$ lb.; lb. \$4.



Ponderosa Tomato

Livingston's Yellow Tomatoes

Livingston's New Yellow Oxheart.

Introduced by us in 1929

A new variety of our Oxheart-type Tomato. All our customers who are familiar with Livingston's Oxheart, and who did not try this new yellow one last season, should give it a trial this year. It is of the same shape as the original, but the skin and flesh are a rich shade of yellow. A platter of slices of the Yellow Oxheart, mixed with slices of the original Pink Oxheart, makes an appetizing dish. Try it. Pkt. 20 cts.; 35 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. 50 cts.; 90 cts. oz.

We have introduced more than 30 varieties of Tomatoes since 1870.



Livingston's New Yellow Oxheart Tomato

Livingston's Golden Queen.

Introduced by us in 1882

Of superior flavor, solid, always smooth, large, ripens early. Rich golden yellow skin with a tinge of pink on the blossom side. Fine for slicing. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 40 cts.; \$1.30, $\frac{1}{4}$ lb.

Livingston's Dwarf Yellow Prince.

Introduced by us in 1898

A very choice, dwarf-growing, yellow Tomato that is very early and of medium size and beautiful shape. Flesh is solid and the flavor is desirable. Pkt. 10 cts.; 25 cts. $\frac{1}{2}$ oz.; oz. 40 cts.

Livingston's Gold Ball.

Introduced by us in 1892

Beautiful canary-yellow fruits about $1\frac{1}{2}$ inches in diameter, borne in clusters. Flesh thick. Fine for preserves. Pkt. 10c; 20c $\frac{1}{2}$ oz.; oz. 35c; \$1.15, $\frac{1}{4}$ lb.

Golden Ponderosa.

Golden Ponderosa equals Ponderosa in size, shape, and quality, but is a golden yellow in color. In other words it is, as the name indicates, a yellow-fleshed Ponderosa. Try a packet of each and note the novel effect of the red and yellow fruits sliced together. Pkt. 10 cts.; 20 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. 30 cts.; 50 cts. oz.

Small Tomatoes.

Excellent for Preserves, Pickles, and Pies

	Pkt. $\frac{1}{4}$ oz.		Pkt. $\frac{1}{4}$ oz.
Red Currant.		Red Pear.....	\$0.05 \$0.15
Smallest of		Yellow Pear.....	.05 .15
all sorts.....	\$0.05 \$0.15	Yellow Plum.....	.05 .15
Red Cherry .....	.05 .15	Mixed Small	
Yellow Cherry ..	.05 .15	Sorts .....	.10

Odd Tomatoes.

YELLOW PEACH. Resembles peaches closely in size, shape, and general appearance. Color light yellow. Pkt. 10 cts.; 15 cts. $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. 25 cts.

GOLDEN HUSK or WINTER CHERRY. Unequaled for making preserves and pies. Has a golden color, strawberry flavor, very productive. Fruit is size of large cherries. Pkt. 10c; 20c $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz. 35c.

Rüben

Turnip

Nabos

Culture.—Early varieties of Turnips should be planted just as soon as the ground is dry in spring. Sow early in rows, and later broadcast. The Rutabaga varieties, and also the late sorts, will do better if planted in rows at least $1\frac{1}{2}$ feet apart, and thin out the plants when well up to 6 inches apart. Cultivate often and thoroughly. The Rutabaga varieties should be planted as soon as possible after the middle of June, as they need a longer season than the Turnips.

One ounce of seed will sow 100 feet of drill;
one pound will plant an acre

Extra-Early Purple-Top Milan. Roots are flat and an attractive purple-red on the upper portion. Tops small and upright and are therefore well adapted for forcing. The Milans are the very best for extra early, and their quality is fine. Very smooth and almost transparent skin. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 30 cts.; \$1 lb.

Extra-Early White Milan. Same as Purple-Top Milan except in color. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Early White Egg. A variety with white flesh, firm, fine-grained, mild and sweet. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 50 cts. lb.

Yellow or Amber Globe. Sweet; large; fine for table or stock. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 45 cts. lb.

Golden Ball. or **ORANGE JELLY.** Rapid grower; globe-shaped; bright yellow. The best of the yellow sorts for table use. Keeps well. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 50 cts. lb.

EARLY SNOWBALL. Medium-sized round Turnip; pure white; very fine flavor; flesh is fine-grained. One of the best table varieties. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 50 cts. lb.

Purple-Top Strap-Leaf. Comes next to Purple-Top Globe in popularity. An early variety, very extensively used for the table. Leaves are few and upright in growth. Roots flat, of medium size, purple or dark red above ground, white below; flesh white, fine-grained, and tender. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 15c; 50c lb.; 5 lbs. \$2.25.

Early White Flat Dutch. Same as above except in color. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 50 cts. lb.



Purple Top White Globe Turnip

Purple-Top White Globe. Most popular of all Turnips for main crop. The roots are large, purple or dark red above ground, white below and when in best condition for the table, are about 3 inches in diameter, but can be grown much larger. Flesh white, fine-grained, and tender. Keeps well, is one of the best for market, and a popular home-garden sort. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 60 cts. lb.; 5 lbs. \$2.75.

LARGE WHITE GLOBE. Similar to above except in color. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 45 cts. lb.

Seven Top. Cultivated extensively for the tops, which are used as greens. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 40 cts. lb.

Long White. or **COW-HORN.** Long; grows partly above ground; slightly crooked; white, fine grained, very sweet. Sometimes used for plowing under to improve the soil. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 15 cts.; 40 cts. lb.

Japanese Shogoin Turnip. First time offered by us. It is the best combination variety for both bulbous roots and Tops for "greens" we have yet seen. The roots are white, shaped like Purple Top, very sweet and mild. The tops or leaves are large, thick, juicy and stand erect. This variety is louse resistant and thrives even in the hottest dry weather. Surely you will want to try Shogoin. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 20 cts.; 70 cts. lb.

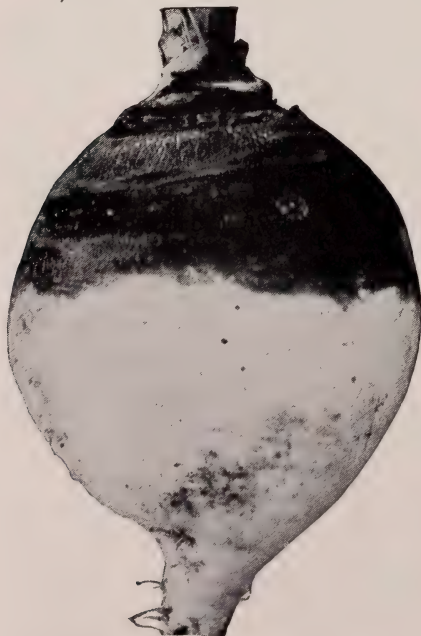
ASK FOR PRICES ON LARGE LOTS OF TURNIP SEED

Rutabaga (Swedish or Russian Turnip)

Rutabagas are more especially adapted to northern sections. They require a longer season for maturing, hence should be sown earlier than turnips, or about June 15.

LARGE WHITE RUSSIAN. An excellent keeper and very desirable either for the table or for stock; roots very large, somewhat top-shaped; color white with a shade of green at the top. Flesh white. Pkt. 5 cts.; 10 cts. oz.; $\frac{1}{4}$ lb. 25 cts.; 75 cts. lb.

Improved American Purple-Top. One of the best and heaviest cropping sorts. It is of globe shape with a rich purple top and light yellow below the ground. The quality is fine; very tender, and not stringy. Valuable table variety. Pkt. 5c; 10c oz.; $\frac{1}{4}$ lb. 25c; 75c lb.



Improved American Purple Top Rutabaga



Germāco Hotkaps

HAVE AN EARLIER GARDEN THIS YEAR

An individual hothouse
for each plant.
Makes larger and better
crops



A remarkable invention consisting of a scientifically constructed wax paper cone that you place over each plant. They form miniature hothouses that protect plants from frost, wind, rain, insects, and ground crusting.

You will have larger and better crops with HOTKAPS. They cost but a fraction over a penny each. One man can "set" 2,000 HOTKAPS per day. They not only give you better Vegetables, but are a method of crop insurance—against the danger of the elements.

PAMPHLET ILLUSTRATING AND GIVING FULL DIRECTIONS SENT WITH EACH ORDER

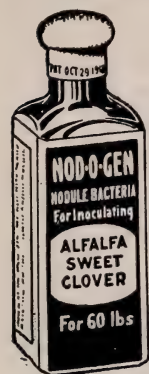
NODULE INOCULATOR

NOD-O-GEN (Jelly)

DRY HUMUS (Dust Form)

It always pays to inoculate all legumes with their proper bacteria. The easiest and cheapest way of improving the sale and increasing crops.

Each bottle of NOD-O-GEN or DRY HUMUS will inoculate the kinds of seed listed. Be sure to get the right kind for your seed. Order by number and specify which kind you want. Where neither kind is specified, we forward Dry Humus.



No. **VARIETIES** Prices, ppd.

1. 1-bus. size for Alfalfa and Sweet Clover\$0 75
2. 1/2-bus. size for Alfalfa and Sweet Clover..... 50
3. 1-bus. size for Medium (Red), Mammoth, Alsike, White Dutch, and Crimson Clovers..... 75
4. 1/2-bus. size for Medium (Red), Mammoth, Alsike, White Dutch, and Crimson Clovers..... 50
5. 1-bus. size for Soy Beans..... 50
6. 5-bus. size for Soy Beans..... 2 00
7. 1-bus. size for Cowpeas..... 50
8. 5-bus. size for Cowpeas..... 2 00
9. 1-bus. size for all Vetches (Spring, Winter, etc.), Field and Garden Peas, Sweet Peas, and Flat Winter Peas..... 50
10. 5-bus. size for all Vetches (Spring, Winter, etc.), Field and Garden Peas, Sweet Peas, and Flat Winter Peas..... 2 00
11. 1-bus. size for Field Beans and Garden Beans..... 50
12. 5-bus. size for Field Beans and Garden Beans..... 2 00
13. Garden size, Combination for Peas and Sweet Peas, Garden Beans and Limas..... 25

Granulated Peat Moss

FOR GREENHOUSE, GARDEN, AND HOME

Our Peat Moss is of the finest quality you can buy anywhere at any price. Its use contributes to the humus content of the soil, lightening heavy clay and binding sandy soils. It insulates soil against freezing and thawing in winter and conserves moisture in summer. Clean, odorless, and economical to use.

It makes fine packing for plants, bulbs, roots, etc., and is indispensable in preparing soil for plants and bulbs and many annual and perennial flower seeds.

Ask for leaflet on Granulated Peat Moss. Bales (19 to 20 bus. when loosened), \$4.50 each; 1/2 bale, \$2.75; 1/4 bale, \$2; 1/8 bale, \$1.50. Prices are f.o.b. Columbus. Ask for prices in larger lots. Bale shipping wgt. 180 lbs.

DRICONURE

A new, ready-to-use turf- and garden-dressing. Sterile and weedless. It is composed of dehydrated cow-manure on a peat-moss base. It is concentrated 5 to 1 and will regain its original form after application. One bag will top-dress about 400 square feet. Free leaflet. Bag (50 lbs.) \$2.50 f.o.b. Columbus.

THE PREMIER SEED DISINFECTANTS

Control Diseases, Increase Yields,
Improve Quality

CERESAN. A dust disinfectant for wheat, oats, barley and other cereals.
1-lb. tin\$0 75 | 25-lb. pail.....\$12 50
5-lb. tin 3 00 | 100-lb. drum.....49 00
300-lb. drum.....144 00

NU-GREEN. A grass disinfectant for brown-patch prevention and control.
3-oz. tin\$0 50 | 25-lb. pail.....\$37 50
1-lb. tin 2 00 | 100-lb. drum.....145 00
5-lb. tin 9 00 | 300-lb. drum.....420 00



SEMESAN. This modern disinfectant can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, seed-pieces, plants, grafts, and soils. Semesan is harmless to seed and plant-life but extremely poisonous to disease and fungous organisms. It generally also hastens germination, produces sturdier plants, promotes earlier maturity and increases both the quantity and quality of crop yields.

2 ozs.\$0 50 | 25 lbs.\$56 25
1 lb. 2 75 | 100 lbs.220 00
5 lbs. 13 00 | 300 lbs.645 00

SEMESAN JR. A less expensive but equally effective form of Semesan for the dry dust disinfection of both field and sweet corn seeds against the ear, root and stalk rots. Under Government-conducted field tests, Semesan Jr. successfully prevented or controlled these diseases and at the same time increased the yields obtained from diseased seeds by 10 to over 40 per cent.

4 ozs.\$0 50 | 5 lbs.\$8 00
1 lb. 1 75 | 25 lbs.31 25

SEMESAN BEL. Applied to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture, Semesan Bel will prevent or control the common seed-borne potato diseases. In widely separated potato-growing sections it has caused quicker sprouting, earlier maturity and greater yields.

4 ozs.\$0 50 | 5 lbs.\$8 00
1 lb. 1 75 | 25 lbs.31 25

Free Descriptive Booklets Sent Upon Request

Semesan Disinfectants Make Good Seeds Grow Better

Du Bay Semesan seed disinfectants are poisonous and under present postal regulations cannot be mailed, but must be sent by express or freight.

Mulch Paper

Gator-Hide Mulch Paper is a heavy Kraft paper, impregnated with asphalt. It is the most effective mulch yet devised, being far superior to straw, leaves, manure, etc. It controls obnoxious weeds and grasses, eliminating cultivation. Raises the soil to a more even temperature, which is conducive to rapid germination and growth.

Mulch Paper is used on the soil-surface. Seeds may be planted or plants set through holes in the paper or between rows of paper. Mulch Paper comes in rolls, 18 and 36 inches wide, light (Type A) and heavy (Type B) weight. Prices are f.o.b. Columbus. 18-in. roll, Type A-1350 sq. ft., Type B-675 sq. ft., (shipping wgt. 30 lbs.), \$3.00. 36-in. roll, Type A-2700 sq. ft., Type B-1350 sq. ft., (wgt. 60 lbs.), \$6. Garden Package, 45 ft. of 18-in. Heavy Paper, (wgt. 4 lbs.), 65 cts.

A leaflet, "The Miracle of Mulch Paper," sent on request.

ADCO

A powder which, when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure fully equal to the farmyard product. Free leaflet. 25-lb. bag \$2, 100-lb. bag \$7.75, f.o.b. Columbus.

Lawn, Orchard, and Garden Tools

Prices subject to change

Excelsior Weeder

Very useful for weeding seed - beds, stirring soil in hotbeds, cold-frames, etc. 25 cts., postpaid.

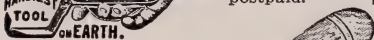


IDEAL HAND WEEDER

HANDIEST TOOL ON EARTH.

Ideal Weeder

25 cts. each, \$2 per doz., postpaid.



Hazeltine Weeder

In general use. Blade solid steel, tempered, 7/8 inch wide and 1/2 inch thick, sharpened on all edges. 35c each, postpaid.

Steel Hand-Weeder No. 240

Blades are made from high-grade "clock spring" steel, ground and tempered. One edge is serrated and sharpened and blade is riveted to steel handle. A very popular tool with florists, market gardeners, onion-growers, etc. 25 cts. each; 1/2 doz. \$1.25; doz. \$2.25, postpaid.

Painted Pot Labels

Sizes	Not Prepaid	1,000	Weight
4 x 5/8		\$2 00	4 lbs.
4 1/2 x 5/8		2 10	5 lbs.
5 x 5/8		2 20	5 lbs.
6 x 5/8		2 50	6 lbs.
8 x 5/8		4 00	9 lbs.
10 x 5/8		5 00	11 lbs.
12 x 5/8		6 00	15 lbs.
8 x 7/8		6 00	14 lbs.
10 x 7/8		7 20	18 lbs.
12 x 1 1/8	per 100,	\$1.25	3 lbs.

Paper Pots, Improved Neponset

Not prepaid

Red Pots—For Shipping

The standard red paper pot which has been used for years. While the black pot is recommended particularly for growing, the red pot is for shipping, growing and miscellaneous purposes. More economical where growing characteristics are not required.

Size	Wgt. per 1,000	100	1,000
2 1/4 -in.	12 lbs.	\$0 50	\$3 55
2 1/2 -in.	16 lbs.	60	4 20
3 -in.	24 lbs.	75	5 70
3 1/2 -in.	34 lbs.	90	7 45
4 -in.	46 lbs.	1 10	9 40
5 -in.	102 lbs.	1 60	14 60
6 -in.	132 lbs.	2 10	19 55

Black Pots—For Growing

Provides economy, ease and convenience for the full growing period of young plants without retarding the root growth—in fact, the waterproofing treatment of these pots seems to encourage healthy growth. Stands up in first class shape through long-growing period and is still good for shipping without transplanting.

Size	Wgt. per 1,000	100	1,000
2 1/4 -in.	16 lbs.	\$0 60	\$4 35
2 1/2 -in.	22 lbs.	70	5 10
3 -in.	28 lbs.	85	6 90
3 1/2 -in.	39 lbs.	1 05	8 95
4 -in.	52 lbs.	1 30	11 35



Asparagus Knife

No tool equals it for removing dandelions, plantain, dock, etc., from lawns. Drop forged cutlery steel. 40c, postpaid.



THE CYCLONE SEED SOWER

THE SOWER THAT SCATTERS EVENLY

Best and cheapest crank Seeder made considering the quality of work done and durability. Will not get out of order nor be affected by damp weather. Distributes all kinds of fertilizer, land plaster, ashes, and seeds. Weight, 6 pounds. \$2, not prepaid.

Hotbed Sash

3 1/2 x 6 ft., without glass for four rows 8x10 glass. 1 1/2 inches thick. Best Cypress, \$2.40 each; 10 at \$2.30 each; 25 at \$2.25 each; 100 at \$2.20 each, not prepaid.



Wiss guaranteed, 9-inch, \$3.50; 10-inch, \$4; postpaid. Extra blades \$1 each, postpaid.

Raffia

We handle only the best grade of Raffia. Inferior stock is very annoying and much more expensive in the end. Lb. 40 cts.; 10 lbs. at 35 cts. per lb.; 25 lbs. at 30 cts. per lb.; 100 lbs. at 28 cts. per lb., not prepaid.

Planet Jr. Tools

If interested in this excellent line of garden tools, write for special catalogue. It's free.



Pruning Saw, Double Edge

One coarse and one fine. \$1.25, ppd.

Sprayer, Boston Non-Rust

A high quality non-rust sprayer made of brass and copper. Face 3 inches in diameter. Fits regular hose coupling. Very efficient and trouble proof. \$1.50 each, ppd.



Cane Stakes

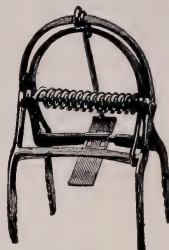
Good, strong, natural Canes. 6-ft., \$1.40 for 50; \$2.40 per 100; \$12 per 1,000, not prepaid.

Dyed green, 18-in., 50 cts. for 50; 90 cts. per 100; \$4.50 per 1,000; 3-ft., 75 cts. for 50; \$1.25 per 100; \$6.30 per 1,000; 4-ft., \$1 for 50; \$1.65 per 100; \$8.25 per 1,000, not prepaid.



Garden Dibber

For planting bulbs, etc. Has hardened steel point. 60 cts. each, postpaid.



"Out of Sight" Mole Trap

Claimed to be the best Mole Trap ever offered, and only has to be tried to be appreciated. Can be used in hotbeds under sash. Full directions are sent with each Trap. \$1.50, postpaid.

Little Giant Self-Setting Mole Trap

Simple, sure, and safe. The spears are made of spring steel; remainder of trap is of steel and heavily tinned, making it very attractive and durable. Directions for setting come with the Trap. \$1.25, postpaid.



Hedge Shears

Best steel and just the thing for trimming privet hedge. 6-in. \$1.25 (weight, 4 lbs.); 9-in. \$2 (weight, 5 lbs.), not ppd.

Garden Trowels

Ordinary. 5-in. 15 cts.; 6-in. 20c, ppd. Pressed Steel. 6-in. 45 cts., postpaid. Forged Steel. 5-in. 60c; 7-in. 75c., postpaid. Be sure to state size wanted.

Copper Wired Tree Labels

Size, 3 1/2 x 5/8 inch, 50 cts. per 100; \$1.50 for 500; \$2.45 per 1,000, not prepaid. Weight, 5 lbs. per 1,000.

Hose-Mender, Perfect Clinching

Easy to apply. We use the Clincher and consider it the best obtainable. Simply pound down the Clincher and you have a neat and permanent mend. 3 for 40 cts., \$1.50 per doz., postpaid.



Hose-Couplers, Perfect Clinching



Same principle as the mender. Made for 1/2 and 3/4-in. hose. Be sure to state size wanted. 35 cts. each; \$3.50 per doz., postpaid.

Let us quote you on Garden Hose Highest quality, reasonably priced

Lawn, Orchard, and Garden Tools

Prices subject to change

Improved Auto-Sprays Nos. 1 and 9

The most reliable compressed-air Sprayers on the market. Two pumpings will empty the tank. The Auto-Pop Non-Clog Nozzle gives a large volume of fine spray by simply closing the hand on the lever—releasing the hand stops it immediately.

Holds 4 gallons; has a powerful all-brass air-pump with patented top. Comes complete as illustrated, with shoulder-strap, hose, and Auto-Pop Nozzle.

No. 1 and No. 9 are identical except that No. 1 has a clamp top while No. 9 has a screw top. No. 1B or 9B, Corrugated Brass Tank. \$9.50, not prepaid.

No. 1D or 9D, Corrugated Galvanized Tank. \$6.50, not ppd. Shipping weight, 11 lbs.

No. 21 SPRAYER, BINK'S

The Best Sprayer in its Class

A strong, compact, well-built portable Sprayer for use in the garden, lawn, orchard, and greenhouse. Easily operated by man or child. Very satisfactory for both spraying and whitewashing. It saves time, labor and material.

Large steel wheels make easy moving over rough or soft ground. Working parts bronze and brass—holds 12 gallons. Complete as illustrated with 10 ft. high-pressure hose, spray-pipe, stop-cock, mechanical

agitator and nozzle. \$22., not prepaid. Shipping wgt, 50 lbs.

PLANET JR. STAR PULVERIZER

This tool, as its name implies, can be used both for pulverizing the seed-bed in preparation for planting and also for keeping down weeds after crops are up.

Wonderful tool for the small garden, for flower-beds, hardy borders, and cultivating around trees or shrubbery—wherever one cannot conveniently use a wheel hoe. And it is faster and more thorough than an ordinary hand hoe.

Revolving star-shaped discs in conjunction with the scuffle-hoe-blade, cut and pulverize the soil below the surface. Shipping weight, 6 lbs. Cannot be mailed. \$3.25 each, not prepaid.



No. 50 AUTO-SPRAY

Lighter Weight, Smaller Capacity

This sturdy little machine is almost identical to Auto-Spray No. 1 in construction and manipulation, but with smaller capacity, holding about 2½ gallons, height 18 ins. and diameter 7 ins. In place of clamp top as in the No. 1, it has a heavy brass screw cap to lock pump in tank. It is entirely suitable for spraying on a smaller scale and is particularly recommended for use where weight is a factor, as when the women-folk or youngsters help out with the spraying. Shipping weight, either style, 7 lbs.

No. 50B. Brass Tank, \$7.90, not prepaid.

No. 50D. Galvanized Tank, \$5.40, not prepaid.

HAND SPRAYERS

Works easy, stays in order, and will last longer than any Sprayer in its class. Large size is 22 inches long.

Quart size, with Mason jar, \$1.25, postpaid.

Quart size, with tin jar, 75 cts., postpaid.

Pint size, with tin jar, 50 cts., postpaid.

FEENY DUST GUN

One of the best Dusters we have ever sold. Easy and clean to use. The dust-cloud starts the instant you push the handle forward, and it may be regulated from a mere "haze" to a cloud of large size and force by the stroke you give it. This Gun is ideal for applying all powder insecticides and fungicides.



Model D

Model D (illustrated). Holds 2 quarts powder, \$3.00 each, not prepaid. Shipping weight, 4 lbs.

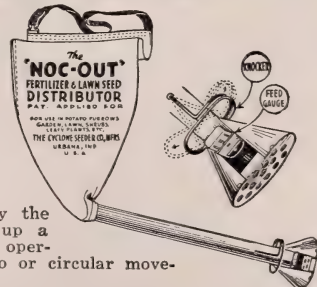
Model BX. Holds about a pint, \$1.25, postpaid.

THE NEW "NOC-OUT" FERTILIZER AND LAWN SEED DISTRIBUTOR

Fills a long-expressed needs for an inexpensive method of easily and uniformly distributing fertilizers and lawn-grass seed.

The "Noc-Out" is equipped with an adjustable feed-gauge and an oscillating "Knocker." Flow of materials can be regulated as desired, and feed-gauge clogging is entirely overcome by the "Knocker," which sets up a vigorous vibration when operated by short and fro or circular movements.

It is just the thing for smaller home-gardens and lawns. Shipping weight, 3 lbs. \$1.25, not postpaid.



Ladies' and Men's Garden Gloves

No. 2810. Men's Napa Goatskin Gauntlet Gloves. 50 cts. a pair, postpaid.

No. 2810C. Ladies' Napa Goatskin Gloves. Single-cuff gauntlet. 50 cts. a pair, postpaid.

No. 2820C. Ladies' Napa Goatskin Gloves. Knit wrist. 50 cts. a pair, postpaid.

No. 8. Ladies' White Canton Flannel Gloves. Single-cuff gauntlet. 15 cts. a pair, postpaid.

No. 206. Ladies' White Canton Flannel Gloves. Knit wrist. 15 cts. a pair, postpaid.

No. 1308. Men's White Canton Flannel Gloves. Single-cuff gauntlet. 15 cts. a pair, postpaid.

No. 22. Ladies' Chamoisette Dusting-Gloves. Open-cuff; red-stitched top; elastic back. 25 cts. a pair, postpaid.

A NEW GARDEN GLOVE



Eezy Wear

Made from Special Imported Leather Hides

DIRT-PROOF DURABLE WASHABLE

Four sizes: "SMALL" and "MEDIUM" for Women, "MEDIUM" and "LARGE" for Men.

Price 65 cts. a Pair — 2 Pair for \$1.25, Postpaid

Insecticides and Fungicides

We can supply special printed matter on many items listed on this page, if desired
All prices are f. o. b. Columbus and are subject to change

Those listed in this group are NOT MAILABLE and are NOT PREPAID

ARSENATE LEAD (DRY). (Not mailable)

Most extensively used stomach poison to kill bugs on fruits and vegetables. Lb. 25 cts.; 4 lbs. 65 cts.; 12 lbs. or over, 14 cts. per lb.

ARSENATE CALCIUM (DRY). (Not mailable)

Cheapest and best stomach poison for bugs on potatoes, cotton, and tobacco. Also extensively used with lime for melon, cucumber, and bean beetles. Lb. 25 cts.; 4 lbs. 50 cts.; 12 lbs. or over, 9½ cts. per lb.

BLACK-LEAF 40 (40 per cent Nicotine Sulphate) Not mailable

Highly recommended as a spray for aphids and sucking insects. One ounce makes 6 gallons of spray on outdoor vegetation. Oz. 35 cts.; 5 oz. \$1; lb. \$2.50; 5 lbs. \$7; 10 lbs. \$11.85.

BORDEAUX MIXTURE (DRY). (Not mailable)

Fast replacing the old liquid solution among fruit-growers. Mixes quickly and with minimum sediment. Used as dormant spray or with Lead Arsenate as summer spray. Lb. 35 cts.; 4 lbs. \$1; 12 lbs. or over, 17 cts. per lb.

CYANOGEN "G." (Not mailable)

For greenhouse fumigation for aphids, white fly, thrip, etc. G grade, 5 lbs. \$3; 25 lbs. \$10; 100 lbs. \$30.

NICO-FUME LIQUID (40 per cent free Nicotine) Not mailable

The best spray for greenhouses. The fumes help to kill insects. Lb. \$2; 4 lbs. \$5.85; 8 lbs. \$10.85.

NICO-FUME TOBACCO POWDER

Not mailable

A simple and effective preparation for fumigating greenhouses for plant-lice and thrips. A real smudge or punk. 5 lbs. \$3.50; 10 lbs. \$6.15.

PARACIDE. (Not mailable)

For killing the peach-tree borer. Full directions on each package. Lb. 55 cts.; 5 lbs. \$2.25.

PARIS GREEN. (Not mailable)

¼lb. 20 cts.; ½lb. 35 cts.; lb. 50 cts.

PYROX, BOWKER'S. (Not mailable)

The one best spray for fruits, vegetables, and flowers. Kills bugs, prevents blights, rots, and stimulates foliage all in one. One pound makes 5 to 6 gallons of spray. Lb. 50 cts.; 5 lbs. \$1.75; 10 lbs. \$3; 25 lbs. \$6.25; 50 lbs. \$10.75; 100 lbs. \$15.50; 300 lbs. \$43.50.

NICOTINE PYROX (Not Mailable)

The same as Pyrox above with Nicotine added to kill sucking insects, making it a complete all purpose spray. 10 oz. 50 cts.; 40 oz. \$1.75.

POMO-GREEN. (Not mailable)

Niagara Pomo-green is a leaf-green fungicide and is inconspicuous on the foliage. It contains the super-active ingredient, Bentonite-Sulphur, and Arsenate of Lead. Controls black-spot and mildew on roses and most other fungous diseases of flowering plants and shrubs. Containing Arsenate of Lead, it also controls external chewing insects. Lb. 50 cts.; 5 lbs. \$2.

Those listed in this group are MAILABLE but are NOT POSTPAID

EVER GREEN

A non-poisonous insecticide absolutely safe to use and yet kills a great number of chewing and sucking insects without injury to the plants. One ounce makes from 1 to 6 gallons of spray. Oz. 35 cts.; 6 ozs. \$1; pt. \$2; qt. \$3.50; gal. \$13, not prepaid.

FISH OR WHALE-OIL SOAP

25 cts. per lb. in any quantity, not prepaid.

GYPSUM OR LAND PLASTER

Twenty parts of Gypsum mixed with one part Arsenate Calcium gives excellent results in protecting melon and cucumber plants from the striped beetle. 10 lbs. 20 cts.; 20 lbs. 35 cts.; 80 lbs. 90 cts.; 400 lbs. \$4.25; 800 lbs. \$8; 1,600 lbs. \$15; ton \$18, not prepaid.

KAYSO

The combined casein spreader and adhesive. 2 lbs. 50 cts.; 10 lbs. \$2.10; 50 lbs. \$9.50, not prepaid.

LIME-SULPHUR (DRY)

For blights, rots, mildew, rust, etc. For most purposes use 1 pound in 7 to 8 gallons of water. Lb. 35 cts.; 5 lbs. \$1.40; 10 lbs. \$2.25; 25 lbs. \$4.50; 50 lbs. \$7.75; 100 lbs. \$12, not prepaid.

NICO-FUME TOBACCO PAPER

Eight to ten sheets for the ordinary greenhouse will usually furnish a strong fumigation. 24-sheet cans \$1.25, 144 sheets \$4.75; 288 sheets \$8.25, all postpaid.

SLUG-SHOT, HAMMOND'S

For potato bugs, cabbage worms, and all insects that chew. Apply as bought. Lb. 25 cts.; 5 lbs. 75 cts.; 25 lbs. \$3.50; 250 lb. Bbl. \$33, not prepaid.

TOBACCO DUST

Guaranteed to contain not less than ½ to 1 per cent of nicotine, 40- to 60-mesh test. 10 lbs. 65 cts.; 50 lbs. \$3; 100 lbs. \$4.50; 500 lbs. \$20, not prepaid.

TOBACCO STEMS

50 lbs. 90 cts.; 100 lbs. \$1.65; full bales (about 200 lbs.) \$1 per 100 lbs., not prepaid.

NURSERY VOLCK

Conceded to be the most effective spray for red-spider control known; also for white fly, aphids, thrips, mealy bugs, mildew and rusts. Can be mixed with other insecticides excepting Lime-Sulphur. One gallon makes from 32 to 100 gallons of spray solution. ½ pt. 35 cts.; pt. 60 cts.; qt. \$1; gal. \$3, not prepaid.

Fertilizers, Plant-foods, Etc.

All prices f. o. b. Columbus and
subject to market changes

VIGORO 4-12-4

Vigoro is a complete fertilizer, containing all the elements essential to plant-growth. It is clean, dry, odorless, free from weed seeds and easy to apply. Can be sown by hand like grass seed. For lawns, gardens, flowers, shrubs, trees, etc. Free leaflet. 12 oz. pkt. 10 cts.; 5 lbs. 50 cts.; 25 lbs. \$1.75; 50 lbs. \$3; 100 lbs. \$5.

BONE MEAL

5 lbs. 50 cts.; 10 lbs. 75 cts.; 25 lbs. \$1.25; 50 lbs. \$2; 125 lbs. \$4; 500 lbs. \$12.50; 1,000 lbs. \$23.50; ton \$45.

NITRATE OF SODA

5 lbs. 40 cts.; 10 lbs. 75 cts.; 25 lbs. \$1.35; 50 lbs. \$2.50; 100 lbs. \$4.50; 500 lbs. \$17.50; 1,000 lbs. \$33.50; ton \$65.

FULTON'S PLANTABBS

Plantabbs are small, odorless, dissolving tablets. Especially good inside where smelly fertilizer cannot be used and equally good outside on all garden flowers. 30 tablets 25 cts.; 75 tablets 50 cts.; 200 tablets \$1, postpaid.

ACID PHOSPHATE, 16 PER CENT

5 lbs. 30 cts.; 10 lbs. 45 cts.; 25 lbs. 75 cts.; 50 lbs. \$1.25; 100 lbs. \$2; 125 lbs. \$2.25; 500 lbs. \$8; 1,000 lbs. \$14.50; ton \$28.

SHEEP MANURE, WIZARD BRAND PULVERIZED

5 lbs. 35 cts.; 10 lbs. 50 cts.; 25 lbs. 90 cts.; 50 lbs. \$1.50; 100 lbs. \$2.50; 500 lbs. \$11; 1,000 lbs. \$20.50; ton \$40.

SMITH'S SACCO PLANT FOOD 4-12-4

A specially prepared fertilizer that supplies every necessary element for healthy plant-growth, combined in exactly the right proportions. It produces truly amazing results with few applications. Fine for house-planting, lawns, gardens, etc. Lb. 25 cts.; 5 lbs. 50 cts.; 10 lbs. 85 cts.; 25 lbs. \$1.75; 50 lbs. \$3; 100 lbs. \$5.

SULPHATE OF AMMONIA

5 lbs. 40 cts.; 10 lbs. 75 cts.; 25 lbs. \$1.25; 50 lbs. \$2.25; 100 lbs. \$4; 500 lbs. \$15; 1,000 lbs. \$28.50; ton \$55.

See page 75 for Peat Moss, Driconure, Mulch Paper, and Adco

Livingston's Lawn Grass Seeds

79

OUR OWN MIXTURES FROM TRUE TURF GRASSES

To have a good lawn, only the best turf grasses, properly cleaned and mixed, should be used. Prepare the soil by working it up as fine as possible, then spread fertilizer and rake in well. Sow the seed evenly and do not rake after sowing, but press the seed lightly into the soil by rolling or otherwise.

Thoroughly practical leaflet, "How to Make a Better Lawn," sent on request



Have a beautiful Lawn like this

German Mixed Bent. Used alone on golf putting-green, and with other grasses in the higher grade lawn mixtures. High-grade seed very scarce. Lb. \$1.35; 3 lbs. \$3.90; 5 lbs. \$6.15; 10 lbs. \$11.75, prepaid.

Kentucky Blue Grass. Used more for lawns than any other grass. It is slow to start, however, and should be mixed with other quick-growing dwarf grasses. Does best on limestone soils, well enriched. Dark green in color; forms a close, thick turf and is very hardy. Heavy, fine, clean seed. Lb. 40 cts.; 3 lbs. \$1; 5 lbs. \$1.50; 10 lbs. \$2.75; 25 lbs. \$6.25; 100 lbs. \$23, prepaid.

Red Top. One of the Bent grasses. Used on golf courses and in all good lawn mixtures. Does well in wet places and under unfavorable conditions. Is drought-resistant. Lb. 35 cts.; 3 lbs. 85 cts.; 5 lbs. \$1.25; 10 lbs. \$2.25; 25 lbs. \$5; 100 lbs. \$18, prepaid.

Domestic Rye Grass. Makes a quick growth but does not make a permanent lawn. Should be used in mixture with hardy grasses as a nurse. Valuable where quick results are desired. Lb. 30 cts.; 3 lbs. 75 cts.; 5 lbs. \$1.10; 10 lbs. \$2; 25 lbs. \$4.35; 100 lbs. \$13.50, prepaid.

Timothy. Generally used in mixtures as a nurse for the slower-growing grasses. Lb. 25 cts.; 3 lbs. 55 cts.; 5 lbs. 65 cts.; 10 lbs. \$1.15, prepaid.

Rough-Stalk Meadow. One of the best grasses for shady places. Should be used in all shady place mixtures. Lb. 60 cts.; 3 lbs. \$1.55; 5 lbs. \$2.35; 10 lbs. \$4.25; 25 lbs. \$10; 100 lbs. \$36, prepaid.

Chewing's Fescue. A valuable grass, used in most good mixtures. Especially good in shady places. Lb. 70 cts.; 3 lbs. \$1.85; 5 lbs. \$2.85; 10 lbs. \$5.25; 25 lbs. \$12.50; 100 lbs. \$46, prepaid.

Livingston's Capitol Lawn Seed.

It contains only the highest grade of grasses suitable for the purpose of making a beautiful, durable, lasting lawn. Germinates quickly and roots deeply. This enables it to withstand the intense heat of summer and the hard cold of winter. It contains only those grasses which are lasting and hardy. When a lawn is once established from our seed, it lasts for years. From six to eight weeks' time is all that is required to form a close, thick turf of rich, velvety green. Owing to the high-grade seeds used in our mixtures, one pound is sufficient to sow 300 square feet of new lawn. Lb. 50 cts.; 3 lbs. \$1.30; 5 lbs. \$2; 10 lbs. \$3.75; 25 lbs. \$8.75; 100 lbs. \$33, prepaid.

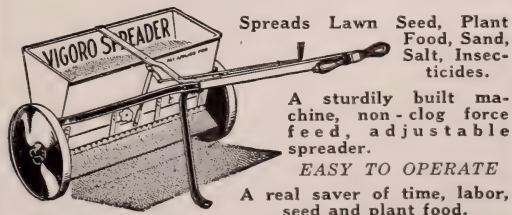
Shady Place Mixture. On nearly all lawns there are shaded, bare, and unsightly spots on which one has difficulty in getting a stand of grass. For such places this mixture is adapted. It is composed of grasses which naturally grow in shaded places. They are

the finest and most costly of all grasses. If the soil is covered with moss or seems "sour" and out of condition, rake off the surface and apply hydrated lime at the rate of 100 pounds to 1,000 square feet; this will sweeten the soil. Lb. 55 cts.; 3 lbs. \$1.45; 5 lbs. \$2.25; 10 lbs. \$4.25; 25 lbs. \$10; 100 lbs. \$38, prepaid.

Quick Grower Lawn Seed. We prepare a special mixture that will give quicker results than our Capitol Lawn Seed, yet it makes a fair lawn. Where this mixture is used our Capitol Lawn Seed should be used the next year for renovating. Lb. 40 cts.; 3 lbs. \$1; 5 lbs. \$1.50; 10 lbs. \$2.75; 25 lbs. \$6.25; 100 lbs. \$23, prepaid.

White Clover. Excellent for lawns when mixed with other grasses. Does not stand dry, hot weather well, but tends to keep crab grass in check. Lb. 90 cts.; 3 lbs. \$2.40; 5 lbs. \$3.65; 10 lbs. \$6.75, prepaid.

VIGORO SPREADER A GARDEN TOOL THAT YOU NEED



Spreads Lawn Seed, Plant Food, Sand, Salt, Insecticides.

A sturdily built machine, non-clog force feed, adjustable spreader.

EASY TO OPERATE

A real saver of time, labor, seed and plant food.

MADE IN 3 SIZES

JUNIOR. 14" spread. Weight 16 lbs.....	(Ppd. in Ohio) \$ 5 95
STANDARD. 24" spread. Weight 36 lbs.....	10 45
Not prepaid	
SPECIAL. 36" spread. Weight 65 lbs.....	12 20

A complete line of Fertilizers and Plant-Foods listed on pages 75 and 78

SPECIAL QUOTATIONS.—We are always pleased to quote special prices to parks, institutions, golf clubs, and others who require Lawn Grass Seed in large quantities. Prices subject to market change

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Columbus, Ohio

We, THE LIVINGSTON SEED COMPANY, give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop.

We Pay Transportation on All Seed quoted in this Catalog. Shipments will be made free of all transportation and packing charges by prepaid mail, express or freight (our option), to any point in the United States proper. This does not include other items quoted "F.O.B." Columbus or "not paid."

[illegible]

[illegible]

From

P. O.

State

PLACE
TWO-CENT
STAMP
HERE

The Livingston Seed Co.,

FAMOUS FOR TOMATOES

COLUMBUS, OHIO

[illegible]

Our Great Dollar Collection of "TRUE BLUE" Vegetable Seeds

26 Packets \$1.00, Postpaid



This offer contains Vegetables most necessary to health and good living. It is ideal for you new gardeners who wish to enjoy better and fresher Vegetables which can only be had from a home-garden.

We firmly believe that this Collection, made from our regular size packets of high quality seed, cannot be bought at such a low price anywhere in this country. Every sort represents the best in its class. The actual value, if purchased separately, would be \$2.05. We can sell this Collection at the low price of \$1.00 because we put up hundreds of them before the spring rush starts. When your order comes in, out goes the package the same day without any delay.

Here Is What Your Dollar Will Buy

Beans, Stringless Green-Pod. Dwarf.
Beans, Kidney Wax. Yellow pod; dwarf.
Beet, Detroit Dark Red. Early; round.
Beet, Swiss Chard. Used for greens.
Cabbage, Early Jersey Wakefield. Fine flavor.
Cabbage, Danish Ballhead Short-Stem. Long keeper.
Carrot, Danvers. Fine quality.
Cucumber, Davis Perfect. For pickles.
Cucumbers, Extra-Early White Spine. Fine for slicing.
Corn, Golden Bantam. Early and sweet.
Kale, Siberian. Fine for greens.
Lettuce, Big Boston. Good heading sort.
Lettuce, Curled Simpson. Early leafy sort.

Muskmelon, Livingston's Tip-Top. Large; sweet.
Onion, Yellow Globe. Large; good keeper.
Parsnip, Hollow Crown. Sweet as sugar.
Parsley, Double Curled. Very fine.
Peas, Little Marvel. Dwarf; early.
Pepper, Mammoth Ruby King. Mild; fleshy.
Radish, Scarlet Globe. Round; red.
Radish, Cincinnati Market. Long; red.
Salsify, Mammoth Sandwich Island. Fine.
Spinach, Bloomsdale Long-standing. Early; tender.
Tomato, Livingston's Globe. Best slicer.
Turnip, Purple-Top White Globe. Fine sort.
Sweet Peas, Livingston's Special Mixture. (Free.)

WE HAVE HUNDREDS OF SATISFIED CUSTOMERS LIKE THESE

MRS. CLYDE CODY, La Salle Co., Illinois, writes: "Your seeds sure grow and another thing you are generous with your seeds. One never needs a microscope to find them in the packets."

LESTER BENNETT, Putnam Co., Ohio, writes, 1/30/31: "We have used Livingston's seeds for three generations, as my Grandfather used to buy Livingston's seeds, and always have found them satisfactory."

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UNEXCELLED COLLECTION

Finest and Most Popular Vegetable Varieties for the Home Gardener

6 Packets 40c, Postpaid

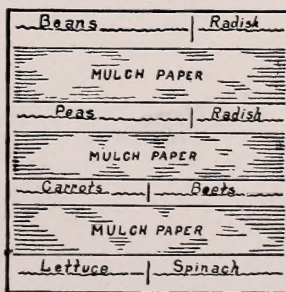
Beans, Fordhook Bush Lima. Early, very productive, tender beans, delightful flavor.
Corn, Golden Bantam. Sweet golden yellow kernels.
Carrot, Improved Chantenay. Deep orange-red, fine-grained, excellent flavor.
Beet, Early Wonder. Deep red color, finest quality.
Lettuce, Black-seeded Simpson. Large loose heads, curly light green leaves.
Radish, Early Scarlet Globe. Round, bright red, crisp and tender.

These varieties are more fully described in the vegetable section.

Would cost 60 cts. if purchased separately

VEGETABLE COLLECTION for City Garden

**WITH
MULCH PAPER**



Suggested Plan

FOR GARDEN ABOUT 15 FEET SQUARE

1 pkt. Bountiful Beans	1 pkt. New Zealand Spinach
1 pkt. Little Marvel Peas	1 pkt. Crosby's Egyptian Beets
1 pkt. Crimson Giant Radish	
1 pkt. Chantenay Carrot	1 pkt. Simpson Lettuce

7 Packets of Vegetable Seed 45 Feet, 18" Mulch Paper... \$1.50 post paid

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Cabbage, Early Jersey Wakefield. Fine flavor.
Cabbage, Danish Ballhead Short-Stem. Long keeper.
Carrot, Danvers. Fine quality.
Cucumber, Davis Perfect. For pickles.
Cucumbers, Extra-Early White Spine. Fine for slicing.
Corn, Golden Bantam. Early and sweet.
Kale, Siberian. Fine for greens.
Lettuce, Big Boston. Good heading sort.
Lettuce, Curled Simpson. Early leafy sort.

Muskmelon, Livingston's Tip-Top. Large; sweet.
Onion, Yellow Globe. Large; good keeper.
Parsnip, Hollow Crown. Sweet as sugar.
Parsley, Double Curled. Very fine.
Peas, Little Marvel. Dwarf; early.
Pepper, Mammoth Ruby King. Mild; fleshy.
Radish, Scarlet Globe. Round; red.
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Salsify, Mammoth Sandwich Island. Fine.
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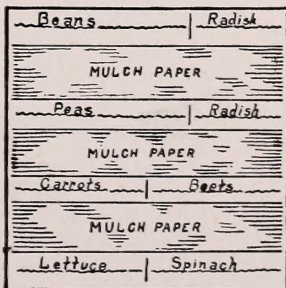
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VEGETABLE COLLECTION for City Garden

**WITH
MULCH PAPER**

Mulch Paper eliminates weeds, cultivation or back-breaking labor; increases temperature, conserves moisture; produces bigger, sturdier and earlier crops. Just the thing for the busy Garden Lover. Instructive leaflet with each collection.



FOR GARDEN ABOUT 15 FEET SQUARE

1 pkt. Bountiful Beans	1 pkt. New Zealand Spinach
1 pkt. Little Marvel Peas	1 pkt. Crosby's Egyptian Beets
1 pkt. Crimson Giant Radish	1 pkt. Simpson Lettuce
1 pkt. Chantenay Carrot	

7 Packets of Vegetable Seed **\$1.50** post paid
45 Feet, 18" Mulch Paper ...

GROW.....
LIVINGSTON'S
"TRUE BLUE"
VEGETABLES
in 1932



LIVINGSTON'S GREAT
DOLLAR COLLECTION
OF VEGETABLES

26 PACKETS **\$1.00**
Value \$2.05

See Inside Back Cover
for Complete Details

THE LIVINGSTON SEED CO.

Famous For Tomatoes Since 1870

32-36 EAST SPRING ST... COLUMBUS, OHIO